

## DECLARATION OF PERFORMANCE - CPR

DoP/Hepworth/Clay Drainage/001

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

### SP1 - SuperSleve EuroTop Pipe DN100mm

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

### Vitrified clay pipes for drains and sewers

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Crushing strength (F<sub>N</sub>)</b>	40 kN/m	
<b>Longitudinal bending strength:</b>		
- Bending moment resistance (BMR)	2.0 kN/m	
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Squareness of ends	Pass	
- Straightness	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- Angular deflection	Pass	
- Shear resistance	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength and longitudinal bending strength against:</b>		
- Chemical resistance	0,15%	
- Resistance against high pressure water jetting	Pass	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



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Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SP1 - SuperSleve EuroTop Pipe DN100mm 1.6m - E

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	40 kN/m
<b>Longitudinal bending strength:</b>	
- Bending moment resistance (BMR)	2.0 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Squareness of ends	Pass
- Straightness	Pass
- Joint inter-changeability	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength and longitudinal bending strength against:</b>	
- Chemical resistance	0,15%
- Resistance against high pressure water jetting	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

## DECLARATION OF PERFORMANCE - CPR

DoP/Hepworth/Clay Drainage/002

The undersigned representing the following:

Wavin Ltd  
Hazehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

### SP2 - SuperSleve EuroTop Pipe DN150mm

Manufacturing Plant: **Hazehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

### Vitrified clay pipes for drains and sewers

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Crushing strength (F<sub>N</sub>)</b>	40 kN/m	
<b>Longitudinal bending strength:</b>		
- Bending moment resistance (BMR)	4.6 kN/m	
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Squareness of ends	Pass	
- Straightness	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- Angular deflection	Pass	
- Shear resistance	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength and longitudinal bending strength against:</b>		
- Chemical resistance	0,15%	
- Resistance against high pressure water jetting	Pass	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



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Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SP2 - SuperSleve EuroTop Pipe DN150mm 1.75m - E

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	40 kN/m
<b>Longitudinal bending strength:</b>	
- Bending moment resistance (BMR)	4.6 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Squareness of ends	Pass
- Straightness	Pass
- Joint inter-changeability	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength and longitudinal bending strength against:</b>	
- Chemical resistance	0,15%
- Resistance against high pressure water jetting	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

## DECLARATION OF PERFORMANCE - CPR

DoP/Hepworth/Clay Drainage/003

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

### SuperSleve EuroTop Pipe DN200mm

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

### Vitrified clay pipes for drains and sewers

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Crushing strength (<math>F_N</math>)</b>	48 kN/m	
<b>Longitudinal bending strength:</b>		
- Bending moment resistance (BMR)	8.6 kN/m	
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Squareness of ends	Pass	
- Straightness	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- <b>Angular deflection</b>	Pass	
- <b>Shear resistance</b>	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength and longitudinal bending strength against:</b>		
- Chemical resistance	0,15%	
- Resistance against high pressure water jetting	Pass	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



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Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop Pipe DN200mm in lengths of 1.75m & 2.0m plain ended or with EPDM coupling – E

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	48 kN/m
<b>Longitudinal bending strength:</b>	
- Bending moment resistance (BMR)	8.6 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Squareness of ends	Pass
- Straightness	Pass
- Joint inter-changeability	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength and longitudinal bending strength against:</b>	
- Chemical resistance	0,15%
- Resistance against high pressure water jetting	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

EP175/3	EP175/3S	EP200/3	EP200/3S
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## DECLARATION OF PERFORMANCE - CPR

DoP/Hepworth/Clay Drainage/004

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

### SuperSleve Pipe DN225mm

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

### Vitrified clay pipes for drains and sewers

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Crushing strength (<math>F_N</math>)</b>	45 kN/m	
<b>Longitudinal bending strength:</b>		
- Bending moment resistance (BMR)	9.0 kN/m	
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Squareness of ends	Pass	
- Straightness	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- <b>Angular deflection</b>	Pass	
- <b>Shear resistance</b>	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength and longitudinal bending strength against:</b>		
- Chemical resistance	0,15%	
- Resistance against high pressure water jetting	Pass	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



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Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve Pipe DN225mm 1.75m plain ended or with EPDM coupling – E

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	45 kN/m
<b>Longitudinal bending strength:</b>	
- Bending moment resistance (BMR)	9.0 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Squareness of ends	Pass
- Straightness	Pass
- Joint inter-changeability	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength and longitudinal bending strength against:</b>	
- Chemical resistance	0,15%
- Resistance against high pressure water jetting	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SP175/4	SP175/4S	
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## DECLARATION OF PERFORMANCE - CPR

DoP/Hepworth/Clay Drainage/005

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

### EP6S - SuperSleve EuroTop Pipe DN250mm

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

### Vitrified clay pipes for drains and sewers

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Crushing strength (F<sub>N</sub>)</b>	60 kN/m	
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Squareness of ends	Pass	
- Straightness	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- <b>Angular deflection</b>	Pass	
- <b>Shear resistance</b>	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength and longitudinal bending strength against:</b>		
- Chemical resistance	0,15%	
- Resistance against high pressure water jetting	Pass	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



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Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

EP6S - SuperSleve EuroTop Pipe DN250mm 2m plain ended or fitted with EPDM coupling – E

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	60 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Squareness of ends	Pass
- Straightness	Pass
- Joint inter-changeability	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength and longitudinal bending strength against:</b>	
- Chemical resistance	0,15%
- Resistance against high pressure water jetting	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

## DECLARATION OF PERFORMANCE - CPR

DoP/Hepworth/Clay Drainage/006

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

### SuperSleve EuroTop Pipe DN300mm

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

### Vitrified clay pipes for drains and sewers

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Crushing strength (<math>F_N</math>)</b>	72 kN/m	
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Squareness of ends	Pass	
- Straightness	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- <b>Angular deflection</b>	Pass	
- <b>Shear resistance</b>	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength and longitudinal bending strength against:</b>		
- Chemical resistance	0,15%	
- Resistance against high pressure water jetting	Pass	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop Pipe DN300mm 2m plain ended or fitted with EPDM coupling – E

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	72 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Squareness of ends	Pass
- Straightness	Pass
- Joint inter-changeability	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength and longitudinal bending strength against:</b>	
- Chemical resistance	0,15%
- Resistance against high pressure water jetting	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SP7	SP7S	
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**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/007

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop DN100mm & DN150mm Rocker Pipes**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Crushing strength (F<sub>N</sub>)</b>	40 kN/m	
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Squareness of ends	Pass	
- Straightness	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- Angular deflection	Pass	
- Shear resistance	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength and longitudinal bending strength against:</b>		
- Chemical resistance	0,15%	
- Resistance against high pressure water jetting	Pass	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop DN100mm and DN150mm Rocker Pipes with lengths of:  
0.3m, 0.6m & 1.0m - E

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	40 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Squareness of ends	Pass
- Straightness	Pass
- Joint inter-changeability	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength and longitudinal bending strength against:</b>	
- Chemical resistance	Pass
- Resistance against high pressure water jetting	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SP030/1	SP060/1	SP100/1
SP030/2	SP060/2	SP100/2

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/008

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve DN225mm Rocker Pipes & Short Length Pipes**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Crushing strength (<math>F_N</math>)</b>	45 kN/m	
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Squareness of ends	Pass	
- Straightness	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- Angular deflection	Pass	
- Shear resistance	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength and longitudinal bending strength against:</b>		
- Chemical resistance	0,15%	
- Resistance against high pressure water jetting	Pass	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve DN225mm Rocker Pipes and Short Length Pipes with lengths of:  
0.3m, 0.6m & 1.0m - E

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	45 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Squareness of ends	Pass
- Straightness	Pass
- Joint inter-changeability	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength and longitudinal bending strength against:</b>	
- Chemical resistance	Pass
- Resistance against high pressure water jetting	Pass

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SP030/5	SP060/5	SP100/5
SP030/5S	SP060/5S	SP100/5S



**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/009

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop DN300mm Rocker Pipes & Short Length Pipes**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Crushing strength (<math>F_N</math>)</b>	72 kN/m	
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Squareness of ends	Pass	
- Straightness	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- Angular deflection	Pass	
- Shear resistance	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength and longitudinal bending strength against:</b>		
- Chemical resistance	0,15%	
- Resistance against high pressure water jetting	Pass	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop DN300mm Rocker Pipes and Short Length Pipes with lengths of:  
0.3m, 0.6m & 1.0m - E

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	72 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Squareness of ends	Pass
- Straightness	Pass
- Joint inter-changeability	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength and longitudinal bending strength against:</b>	
- Chemical resistance	Pass
- Resistance against high pressure water jetting	Pass

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SP030/7	SP060/7	SP100/7
SP030/7S	SP060/7S	SP100/7S

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/010

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop Drainage Junctions**

Manufacturing Plant: **Forest Works & Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Branch angle	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Airtightness	Pass	
- Watertightness	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
 Hazlehead Site, Crow Edge  
 Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop Junctions plain ended or with coupling in the diameter range:  
 100mm, 150mm, 200mm, 225mm, 250mm & 300mm  
 with oblique & curved square branches - E

<b>Reaction to fire, as class</b>	A1
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Branch angle	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Airtightness	Pass
- Watertightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of Watertightness, against:</b>	
- Chemical resistance	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SDJ1/1D	SJ1/1	SDJ2/1D	SJ2/1	SJ1/2	SJ1/3	SJ2/2	SJ2/3
SJ1/7	SJ1/7S	SJ1/8	SJ1/8S	SJ1/9	SJ1/9D	SJ3/7	SJ3/7S
SJ3/8	SJ3/8S	SJ2/9	SJ2/9D	SJ1/14	SJ1/14S	SJ1/15	SJ1/15S
SJ1/17	SJ1/17D	SJ3/14	SJ3/14S	SJ3/15	SJ3/15S	SJ3/19	SJ3/19D
SJ1/19D	SJ3/17D	EJ3/5S	EJ3/6D	EJ3/11S	EJ3/12S	EJ3/16S	

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/011

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop Drainage Bends**

Manufacturing Plant: **Forest Works**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Angle of curvature	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Airtightness	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
 Hazlehead Site, Crow Edge  
 Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop Bends including Rest Bends in the diameter range:  
 100mm, 150mm, 200mm, 225mm, 250mm & 300mm at 90°, 45°, 30° & 15° - E

<b>Reaction to fire, as class</b>	A1
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Angle of curvature	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of Watertightness, against:</b>	
- Chemical resistance	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SDB1/1S	SB1/1	SDB2/1S	SB2/1	SDB3/1S	SB3/1	SDB4/1S	SB4/1
SB1/2	SB2/2	SB3/2	SB4/2	SB1/5	SB1/5S	SB2/5	SB2/5S
SB3/5	SB3/5S	SB4/5	SB4/5S	SB1/7	SB1/7S	SB2/7	SB2/7S
SB3/7	SB3/7S	SB4/7	SB4/7S	SDBR1	SBR1	SBR2	SBR5S
SBR7S							

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/012

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop Drainage Traps, Gullies and Hoppers**

Manufacturing Plant: **Forest Works**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Water seal	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop Drainage P-Traps, Hoppers and Gullies  
including Universal Grease Trap - E

<b>Reaction to fire, as class</b>	A1
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Angle of curvature	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Water seal	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of Watertightness, against:</b>	
- Chemical resistance	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SDG1/1	SG1/1	SDG3/1	SDG3/2	SDG2/6	SDG2/1	SDG2/3	SG2/1
SG2/2	SG3/1	SG4/1	SH3/1	SH1	SH2	SG1/2	SH3/2
RGP1	RGP2	RGP5	RGP5B	RGP7	RGP7B	RGP6	RGP6B
RGP8	RGP8B	RGR1	RGR2	RGR3	RGR4	RGU1	



**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/013

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop Drainage Taper Pipes and Socket Adaptors**

Manufacturing Plant: **Forest Works**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Airtightness	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop Taper Pipes and Socket Adaptors in the diameter range:  
100mm, 150mm, 225mm, & 300mm

<b>Reaction to fire, as class</b>	A1
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of Watertightness, against:</b>	
- Chemical resistance	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SDT2/1	ST2/1	ST3/2	ST4/3	SA1/1	SA1/2	SA1/5	SA1/7
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**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/014

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop Drainage Access Fittings**

Manufacturing Plant: **Forest Works**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:  
Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Branch angle	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Airtightness	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop Access pipes, Bends and Junctions in the diameter range:  
100mm & 150mm - E

<b>Reaction to fire, as class</b>	A1
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Branch angle	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of Watertightness, against:</b>	
- Chemical resistance	Pass

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SPA1	SBA1	SJA1L	SJA1R	SPA2	SBA2	SJA2L	SJA3L
SJA2R	SJA3R						

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/015

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop Drainage Stoppers**

Manufacturing Plant: **Forest Works**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Airtightness	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop Stoppers in the diameter range:  
225mm & 300mm

<b>Reaction to fire, as class</b>	A1
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of Watertightness, against:</b>	
- Chemical resistance	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SS3/4	SS3/7	
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**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/016

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop Drainage Saddle Fittings**

Manufacturing Plant: **Forest Works**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Branch angle	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Airtightness	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop Saddles in the diameter range:  
100mm, 150mm, 225mm, & 300mm - E

<b>Reaction to fire, as class</b>	A1
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Branch angle	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of Watertightness, against:</b>	
- Chemical resistance	Pass

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

SJS1/1	SJS2/1	SJS4/1	SJS5/1	SJS1/2	SJS2/2	SJS4/2	SJS5/2
SJS2/5	SJS5/5	SJS2/7	SJS5/7				



**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/017

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve Rat Barrier**

Manufacturing Plant: **Forest Works**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
- Joint inter-changeability	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Airtightness	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

RAT/FM SuperSleve HouseDrain Rat Barrier

<b>Reaction to fire, as class</b>	A1
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of Watertightness, against:</b>	
- Chemical resistance	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage HepLine/101

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**LP1 - HepLine Pipe DN100mm**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings.**

Provision to which the product conforms:  
Standard: Annex ZA of BS EN 295-5:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-5: 2013
<b>Crushing strength (<math>F_N</math>)</b>	28 kN/m	
<b>Dimensional tolerances, as:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Straightness	Pass	
- Perforations	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength, against:</b>		
- Chemical resistance	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings**

LP1 – HepLine Pipe DN100mm 1.6m plain ended Type A

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	28 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Straightness	Pass
- Perforations	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength, against:</b>	
- Chemical resistance	0,15%

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-5:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage HepLine/102

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**LP2 - HepLine Pipe DN150mm**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings.**

Provision to which the product conforms:  
Standard: Annex ZA of BS EN 295-5:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-5: 2013
<b>Crushing strength (<math>F_N</math>)</b>	28 kN/m	
<b>Dimensional tolerances, as:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Straightness	Pass	
- Perforations	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength, against:</b>		
- Chemical resistance	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings**

LP2 – HepLine Pipe DN150mm 1.75m plain ended Type A

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	28 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Straightness	Pass
- Perforations	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength, against:</b>	
- Chemical resistance	0,15%

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-5:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage HepLine/103

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**LP175/3 - HepLine Pipe DN225mm**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings.**

Provision to which the product conforms:  
Standard: Annex ZA of BS EN 295-5:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-5: 2013
<b>Crushing strength (<math>F_N</math>)</b>	36 kN/m	
<b>Dimensional tolerances, as:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Straightness	Pass	
- Perforations	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength, against:</b>		
- Chemical resistance	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings**

LP175/3 – HepLine Pipe DN225mm 1.75m with coupling Type A

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	36 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Straightness	Pass
- Perforations	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength, against:</b>	
- Chemical resistance	0,15%

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-5:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**



**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage HepLine/104

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**LP200/4 - HepLine Pipe DN300mm**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings.**

Provision to which the product conforms:  
Standard: Annex ZA of BS EN 295-5:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-5: 2013
<b>Crushing strength (F<sub>N</sub>)</b>	48 kN/m	
<b>Dimensional tolerances, as:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Straightness	Pass	
- Perforations	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength, against:</b>		
- Chemical resistance	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings**

LP200/4 – HepLine Pipe DN300mm 2m with coupling Type A

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	48 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Straightness	Pass
- Perforations	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength, against:</b>	
- Chemical resistance	0,15%

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-5:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage HepLine/105

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**EuroDrain Pipe DN150mm**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings.**

Provision to which the product conforms:  
Standard: Annex ZA of BS EN 295-5:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-5: 2013
<b>Crushing strength (<math>F_N</math>)</b>	28 kN/m	
<b>Dimensional tolerances, as:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Straightness	Pass	
- Perforations	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength, against:</b>		
- Chemical resistance	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings**

EuroDrain Pipe MP & LP DN150mm 1.75m plain ended Type B

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	28 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Straightness	Pass
- Perforations	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength, against:</b>	
- Chemical resistance	0,15%

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage HepLine/106

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**EuroDrain Pipe DN200mm**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings.**

Provision to which the product conforms:  
Standard: Annex ZA of BS EN 295-5:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-5: 2013
<b>Crushing strength (<math>F_N</math>)</b>	32 kN/m	
<b>Dimensional tolerances, as:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Straightness	Pass	
- Perforations	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength, against:</b>		
- Chemical resistance	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings**

EuroDrain Pipe MP & LP DN200mm 2m with coupling Type B

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	32 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Straightness	Pass
- Perforations	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength, against:</b>	
- Chemical resistance	0,15%

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage HepLine/107

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**EuroDrain Pipe DN250mm**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings.**

Provision to which the product conforms:  
Standard: Annex ZA of BS EN 295-5:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-5: 2013
<b>Crushing strength (<math>F_N</math>)</b>	40 kN/m	
<b>Dimensional tolerances, as:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Straightness	Pass	
- Perforations	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength, against:</b>		
- Chemical resistance	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings**

EuroDrain Pipe MP & LP DN250mm 2m with coupling Type B

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	40 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Straightness	Pass
- Perforations	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength, against:</b>	
- Chemical resistance	0,15%

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI



**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage HepLine/108

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**EuroDrain Pipe DN300mm**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings.**

Provision to which the product conforms:  
Standard: Annex ZA of BS EN 295-5:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-5: 2013
<b>Crushing strength (<math>F_N</math>)</b>	48 kN/m	
<b>Dimensional tolerances, as:</b>		
- Internal diameter	Pass	
- Length	Pass	
- Straightness	Pass	
- Perforations	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of crushing strength, against:</b>		
- Chemical resistance	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-5:2013**

**Vitrified clay pipes for drains and sewers –  
Part 5: Requirements for perforated pipes and fittings**

EuroDrain Pipe MP & LP DN300mm 2m with coupling Type B

<b>Reaction to fire, as class</b>	A1
<b>Crushing strength (<math>F_N</math>)</b>	48 kN/m
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
- Length	Pass
- Straightness	Pass
- Perforations	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of crushing strength, against:</b>	
- Chemical resistance	0,15%

The manufacture of this product is in conformity with the implemented Quality Management System  
**BS EN 9001:2008** as certified by BSI

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/201

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop Couplings with EPDM sealing rings**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- Angular deflection	Pass	
- Shear resistance	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve EuroTop Couplings (polypropylene) with EPDM sealing rings diameter:  
100mm, 150mm, 200mm, 225mm, 250mm & 300mm

<b>Reaction to fire, as class</b>	A1
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of Watertightness against:</b>	
- Chemical resistance	Pass
- Thermal cycling stability	Pass
- Long term thermal stability	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

<b>SC1/1</b>	<b>SC1/2</b>	<b>SC1/5</b>	<b>SC1/7</b>
<b>EC1/3R</b>	<b>EC1/6R</b>		

**DECLARATION OF PERFORMANCE - CPR**

DoP/Hepworth/Clay Drainage/202

The undersigned representing the following:

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

Confirms that:

**SuperSleve EuroTop Couplings with Nitrile sealing rings**

Manufacturing Plant: **Hazlehead**

Conforms to the Harmonised European Standard: **BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

Provision to which the product conforms:

Standard: Annex ZA of BS EN 295-1:2013, AVCP System 4.

Essential characteristics	Performance	Harmonised technical specification
<b>Reaction to fire, as class</b>	A1	BS EN 295-1: 2013
<b>Dimensional tolerances, concerning:</b>		
- Internal diameter	Pass	
<b>Tightness (gas and Liquid) and Permeability as:</b>		
- Watertightness	Pass	
- Airtightness	Pass	
<b>Watertightness of joint assemblies</b>		
- Angular deflection	Pass	
- Shear resistance	Pass	
<b>Release of dangerous substances</b>	NPD	
<b>Durability of Watertightness, against:</b>		
- Chemical and physical resistance to effluent	Pass	
- Thermal cycling stability	Pass	
- Long term thermal stability	Pass	

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions.

Signed on behalf of the manufacturer



Full name: Anthony Turton

Position: Development Manager Clayware

Date 15 June 2013



13

Wavin Ltd  
Hazlehead Site, Crow Edge  
Sheffield S36 4HG

**BS EN 295-1:2013**

**Vitrified clay pipes for drains and sewers**

SuperSleve Couplings (polypropylene) with Nitrile sealing rings diameter:  
100mm, 150mm, 200mm, 225mm, 250mm & 300mm

<b>Reaction to fire, as class</b>	A1
<b>Dimensional tolerances, concerning:</b>	
- Internal diameter	Pass
<b>Watertightness (gas and Liquid) and Permeability as:</b>	
- Watertightness	Pass
- Airtightness	Pass
<b>Release of dangerous substances</b>	NPD
<b>Durability of Watertightness against:</b>	
- Chemical resistance	Pass
- Thermal cycling stability	Pass
- Long term thermal stability	Pass

The manufacture of this product is in conformity with the implemented Quality Management System **BS EN 9001:2008** as certified by BSI

Product requirements to **EN295-1:2013** are 3<sup>rd</sup> party certified by BSI – **Kitemark Lic No KM14092**

The above CE marking documentation applies for the products listed below:

<b>SC3/1</b>	<b>SC3/2</b>	<b>SC3/5</b>	<b>SC3/7</b>
<b>EC3/3R</b>	<b>EC3/6R</b>		