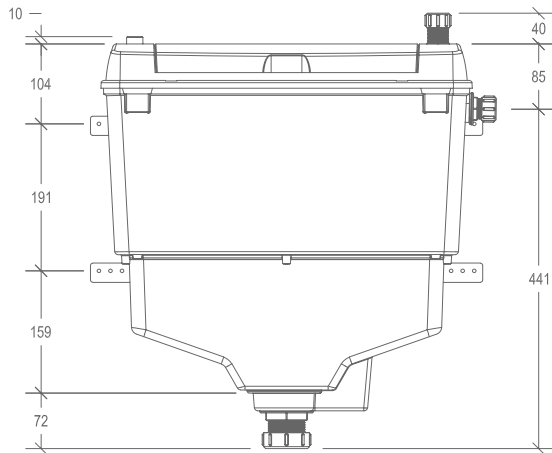


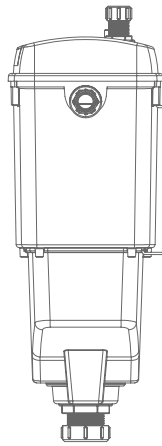


# Specification

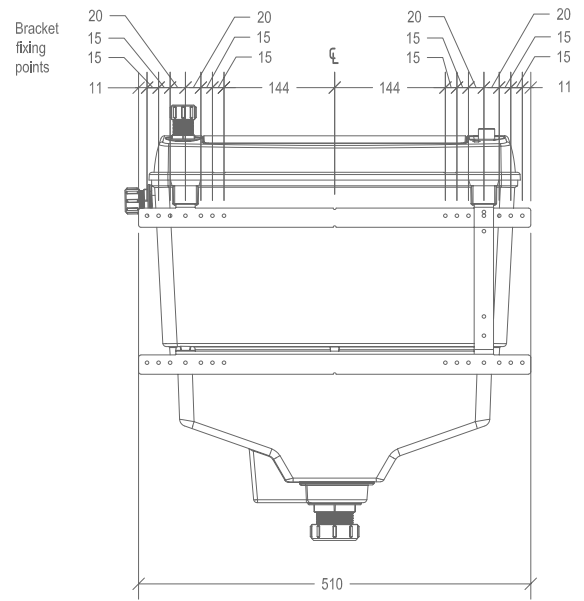
**Front View**



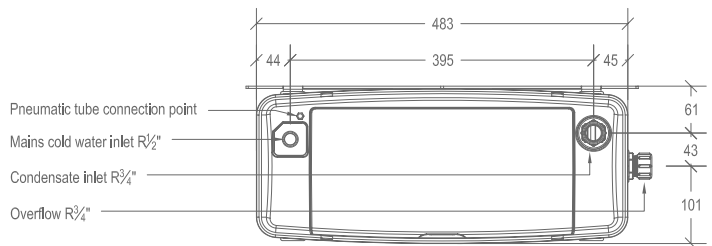
**Side View**



**Rear View**



The height (H), width (W), and depth (D) of the Encore cistern are each increased by 10mm when fitted with a Styropor (R) insulation jacket. The insulation jacket is recommended for use in all installations and comes fitted as standard.



**Top View**



## Specification

### Installation Options

- Wall mounted
- Concealed installation
- Frame mounted
- For wall hung or floor mounted WCs

### Applications

- Hotels
- Offices
- Residential
- Public Buildings
- Retail
- Leisure Facilities
- Any building that has a/c

### Images

- Photo of cistern - 80mm x 80mm
- Dimension drawing 80mm x 80mm

### Features

- Grey water input
- BREEAM/LEED Credits available
- Water saving

### Technical data

- Material - HIPS and Polyoxmethylene (POM)
- Capacity - 18 litres
- Flush Volume - Adjustable between 6 litres & 3.5 litres
- Flow pressure - 0.1 - 10bar
- Mains water supply R 1/2
- Overflow R 3/4
- Grey water supply R 3/4
- Wall/Frame mounting bracket option
- Pneumatic activation - Manual/IR flush plate option
- Dimensions - 485h x 476w x 195d
- Weight - 2.5kg
- Colour - White

### Notes

- Supplied with 600mm plastic air tube
- Supplied with 1 1/4" flush pipe
- Dual fixing points allowing front or rear fixing



# Styropor foamed plastic specification

## Main Properties

### Physical Properties

	Testing as specified in	Unit	Test Result		
Class	Quality conditions GSH		PS 15 SE	PS 20 SE	PS 30 SE
Types of application	DIN 18 164, Part 1		W	WD	WS + WD
Minimum apparent density	DIN 53 420	kg/m <sup>3</sup>	15	20	30
Construction material class	DIN 4102		B1, flame resistant	B1, flame resistant	B1, flame resistant

### Thermal conductivity

		Unit	0.036-0.038	0.033-0.036	0.031-0.035
Measured Value at +10°C	DIN 52 612	W/(m-K)			
Design values as specified in DIN 4108		W/(m-K)	0.040	0.040	0.035
Compressive stress under 10% compression	DIN 53 421	N/mm <sup>2</sup>	0.06-0.11	0.11-0.16	0.20-0.25
Long-term compressive stress < 2% compression		N/mm <sup>2</sup>	0.015-0.025	0.025-0.040	0.045-0.060
Flexural strength	DIN 53 423	N/mm <sup>2</sup>	0.06-0.30	0.15-0.39	0.33-0.57
Shear strength	DIN 53 427	N/mm <sup>2</sup>	0.08-0.13	0.12-0.17	0.21-0.26
Tensile Strength	DIN 53 430	N/mm <sup>2</sup>	0.11-0.29	0.17-0.35	0.30-0.48
Modulus of elasticity (compressive test)	DIN 53 457	N/mm <sup>2</sup>	1.6-5.2	3.4-7.0	7.7-11.3
Heat distortion temperature					
Short-term	In keeping with DIN 53 424	°C	100	100	100
Long-term at 5000 N/m <sup>2</sup>	In keeping with DIN 18 164	°C	80-85	80-85	80-85
Long-term at 20 000 N/m <sup>2</sup>	In keeping with DIN 18 164	°C	75-80	80-85	80-85
Thermal coefficient of linear change		1/K	5-7 · 10 <sup>-5</sup>	5-7 · 10 <sup>-5</sup>	5-7 · 10 <sup>-5</sup>
Specific heat capacity	DIN 4108	J/(kg-K)	1210	1210	1210
Water absorption when kept under water (percent by volume)					
After 7 days	DIN 53 434	%	0.5-1.5	0.5-1.5	0.5-1.5
After 28 days		%	1.0-3.0	1.0-3.0	1.0-3.0
Water vapor diffusion current density	DIN 52 615	g/(m <sup>2</sup> -d)	40	35	20
Water vapor diffusion resistance coefficient. Design value as specified in DIN 4108		1	20/50	30/70	40/100

### Resistance of Styropor foamed plastics to chemicals

Active agent	Styropor P	Styropor F	Styropor FH
Salt solutions (seawater)	+	+	+
Soaps and wetting agent solutions	+	+	+
Bleaching lyes, such as hypochlorite, chlorine water, hydrogen peroxide solutions	+	+	+
Dilute acids	+	+	+
35% hydrochloric acid, up to 50% nitric acid	+	+	+
Anhydrous acids, for example fuming sulfuric acid, glacial acetic acid, 100% formic acid	-	-	-
Sodium hydroxide, potassium hydroxide, ammonia solution	+	+	+
Organic solvents, such as acetone, ethyl acetate, benzene, xylene, paint thinner, trichlorethylene"	-	-	-
Saturated aliphatic hydrocarbons, surgical spirit, test benzene	-	-	+-
Paraffin oil, vaseline	+-	+-	+
Diesel oil	-	-	+
Motor fuel (normal and super gasoline)	-	-	-
Alcohols, for example methanol, ethanol	+-	+-	+-
Silicone oil	+	+	+

+ Resistant: the foamed plastic is not destroyed even after prolonged exposure.

+ - Conditionally resistant: the foamed plastic may shrink or suffer attack to the surface after prolonged exposure

- Unresistant: the foamed plastic shrinks at a greater or lesser rate or is dissolved