

Cavidrain STD S20U

PRODUCT DATA SHEET



CAVIDRAIN S20U STD is a cavity drainage layer. It consists of a single cuspated HDPE (High Density Polyethylene) core. The function of the product is to provide a robust drainage layer to collect seepage between a porous or leaking wall or floor slab and a new render, floor screed or slab. Cavidrain S20U STD is not intended to resist long term loads until the dimples are filled with concrete or screed. The core is cuspated to form a network of drainage channels which allow seepage water to flow on the rear side safely away to outlets. Cavidrain S20U STD can be pre-fabricated to wider widths on request.

SPECIFICATIONS

PROPERTIES AND PERFORMANCE

Colour	Black			
Type	Single Cuspated (Dimpled)			
Material	HDPE (High Density Polyethylene)			
Mass per unit area	(g/m ²)	1200	approx.	EN ISO 9864
Dimple centres	(mm)	52	approx.	
Drainage void volume	(l/m ²)	12.6	±10%	
Overall thickness at 2 kPa	(mm)	20	-20%	EN ISO 9863-1
Tensile Strength (MD/CD)	(kN/m)	18/18	+20%	EN ISO 10319
Elongation at break (MD/CD)	(%)	40/40	-20%	EN ISO 10319
CBR puncture resistance	(N)	1 800		EN ISO 12236
Usable tensile Strength	(kN/m)	18		EN ISO 10319
Elongation at peak	(%)	40		EN ISO 10319
CBR puncture resistance	(N)	1800		EN ISO 12236
In-plane water flow		HG = 1.0	HG = 0.1	Hydraulic Gradient
At 20 kPa pressure	(l/m.sec)	16 -1.5	3.95 -0.15	EN ISO 12958
With hard platen boundary conditions to simulate installation on rigid surfaces				
Resistance to weathering (UV)	Excellent			EN ISO 12224
Resistance to Chemicals	Excellent			EN ISO 14030
Thermal resistance	U values for specified constructions available on request			
Design life	120 years (manufacturers declaration)			

ROLL DIMENSIONS

Standard Roll Dimensions	Project Specific
--------------------------	------------------

NOTES

1. The values given are indicative and correspond to nominal results obtained in the manufacturer's laboratories and testing institutes.
2. Unless otherwise stated allowable tolerances are ±10% of the typical value. The tolerance on roll length is 1.5% and on roll width is 1.0%.
3. Refer to separate sheets for fixing instructions
4. Reinforcement steel can be supported off Cavidrain by standard methods.

To ensure this document contains the most up-to-date technical information available go to fibertex.com

+27 31 736 7100 | salesza@fibertex.com | fibertex.com