

Cavidrain STD S20U

GEOSYNTHETIC SOLUTIONS **



CAVIDRAIN S20U STD is a cavity drainage layer. It consists of a single cusped 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 cusped 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

Effective Date: 07.09.2017

Properties & Performance:				
Colour		Black		
Type		Single Cusped (Dimpled)		
Material		HDPE (High Density Polyethylene)		
Mass per unit area	(g/m ²)	1200		EN ISO 9864
Dimple centres	(mm)	52	approx.	
Drainage void volume	(l/m ²)	12.6	approx.	
Overall thickness at 2 kPa	(mm)	20	±10%	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	-20%	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
<u>In-plane water flow</u>				
At 20 kPa pressure (l/m.sec)		<u>HG = 1.0</u>		<u>Hydraulic Gradient</u>
		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:

- The values given are indicative and correspond to nominal results obtained in the manufacturer's laboratories and testing institutes.
- 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%.
- Refer to separate sheets for fixing instructions
- Reinforcement steel can be supported off Cavidrain by standard methods.

The information contained in this publication is provided in good faith and to the best of our knowledge is true and accurate. Fibertex South Africa reserves the right to make technical modifications to their products without notice.



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