



Waterproofing Solutions

## Technical Data Sheet (TDS)

### KRUBBER® Base-X, Composite Elastomeric Terpolymer Membrane

No.	Parameter	Test Method	Performance Spec as per ASTM Standard	Test Values
1	1.1) Under Raft and Confined Retaining wall: <b>Krubber Base-XH</b> , Thickness of Composite Terpolymer Membrane with Fleece on both sides (mm),	ASTM D-412	-	1.8
	1.2) For Retaining Wall (Unconfined) and Basement roof slab : <b>Krubber Base-XV</b> , Thickness of Composite Terpolymer Membrane with Fleece on one side (mm)			1.5
2	Thickness of Terpolymer Membrane Core (mm)	ASTM D-412	1.2 (+15% / -10%)	1.2
3	Specific Gravity of Terpolymer Membrane Core (g/cm <sup>3</sup> )	ASTM D-297	1.23 (+/- 10%)	1.23
4	Tensile Strength (MPa) Terpolymer Membrane core	ASTM D-412	9 (Min)	9.8
5	Elongation ultimate (%) Terpolymer Membrane core	ASTM D-412	300 (Min)	410
6	Tensile Set (%) Terpolymer Membrane core	ASTM D-412	10 (Max)	8
7	Tear Resistance (kN/m) Terpolymer Membrane core	ASTM D-624	26.27 (Min)	29
8	Brittleness Point (°C) Terpolymer Membrane core	ASTM D-2137	(-45) Max	-48
9	Ozone Resistance Terpolymer Membrane core, No Cracks	ASTM D-1149	Pass	Pass
10	<u>Heat Aging of Terpolymer Membrane core</u>	ASTM D-573		
	Tensile Strength (MPa)	ASTM D-412	8.30 (Min)	8.5
	Elongation Ultimate (%)	ASTM D-412	210 (Min)	285
	Tear Resistance (kN/m)	ASTM D-624	21.9 (Min)	22.5
	Liner Dimension Change Max (%)	ASTM D-1204	±1	+0.2
11	Water Absorption of Terpolymer Membrane core (Mass %)	ASTM D-471	+4	+2
12	Weather Resistance of Terpolymer Membrane core	ASTM G -155 ASTM G-151		
	Visual Inspection No Cracks or Cracking	ASTM D-518	Pass	Pass
13	Puncture Resistance (Kgs) of Terpolymer Membrane core	ASTM D-5602	32	34
14	Hardness (Shore A) of Terpolymer Membrane core	ASTM D-2240	60 (+/- 10)	62
15	Fleece Material	-	PP/PE	PP/PE

The above-mentioned material specification shall comply with the properties in ASTM D 7465 Standard spec for geomembrane waterproofing membrane applications in underground / Below grade. The Krubber Base-X Waterproofing systems is also in compliance with BS 8102-2022 TYPE A.

MADE IN INDIA. The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the user. Consult the latest update of the technical data sheet on our website

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