HYDROBAN, WATERPROOFING MEMBRANE

The water proof membrane shall be Laticrete Hydroban Waterproofing membrane which is liquid, thin and cold applied. The system does not require the use of fabric roll and adheres to metal, steel, stainless steel, copper, PVC besides concrete and plaster. The waterproof membrane shall be applied using a brush or roller.

The water proof membrane shall be applied over smooth and levelled cement screed/plaster surface free of dirt, dust, sealers, curing compounds etc.

For detailed installation and laying procedure follow Laticrete Method Statement.

Laticrete products supplied shall be as Manufactured by MYK LATICRETE India Pvt Ltd

Performance Properties:

Applicable Standards: ANSI 118.10 & ANSI 118.12 & EN 14891

ANSI DATA		
7 Day Hydrostatic Test - ANSI 118.10 Clause (4.5)	No moisture Penetration	Pass
7 Day Breaking Strength - ANSI 118.10 Clause (4.3)	≥ 170 psi	250-300 psi
7 Day Shear Bond Strength - ANSI 118.10 Clause (5.3)	≥ 50 psi	175-225 psi
7 Day Water Immersion Bond Strength - ANSI 118.10 Clause (5.4)	≥ 50 psi	95-120 psi
28 Day Shear Bond Strength - ANSI 118.10 Clause (5.5)	≥ 50 psi	250-300 psi
System Crack Resistance Test - A118.12 Clause (5.4)	3.2 mm	Pass (High performance)
Water Vapor Transmission - ASTM E 96– 00E1 Procedure B	NA	0.515 grains/h .ft2 (0.3602 g/h . m2)
Water Vapor Permeance - ASTM E 96–00E1 Procedure B	NA	1.247 perms 71.21 (ng/Pa. s .m2)
System Performance - ANSI 118.10; ASTM C627; TCA Rating	Heavy (1-12 Cycles) Extra Heavy (1-14 Cycles)	cycles 1–14 "Extra Heavy"
Elongation - ASTM D 751	NA	> 400%

HYDROBAN conforms to ANSI 118.10 & ANSI 118.12

EN Data		
Property: Test Method	Requirement	Typical Values
Water Impermeability (1.5 bar for 7 days of Positive pressure) - EN 14891 A.7	No Penetration	Pass
Crack bridging ability in Standard conditions (23^0 C) -EN 14891 A 8.2	≥ 0.75 mm	> 3.3 mm
Crack bridging ability at low temperature (-18^0 C)- EN 14891 A 8.3	≥ 0.75 mm	2.2-2.6 mm
Initial Adhesion Strength - EN 14891 A 6.2	≥ 0.5 N/mm^2	1.4 N/mm^2
Adhesion Strength after Water Immersion - EN 14891 A 6.3	≥ 0.5 N/mm^2	1.0 N/mm^2
Adhesion Strength after Heat Ageing - EN 14891 A 6.5	≥ 0.5 N/mm^2	1.7 N/mm^2
Adhesion Strength after Freeze-Thaw Cycles - EN 14891 A 6.6	≥ 0.5 N/mm^2	1.1 N/mm^2
Adhesion Strength after contact with Chlorinated water - EN 14891 A 6.8	≥ 0.5 N/mm^2	0.9 N/mm^2
Adhesion Strength after contact with Alkaline (Lime)water - EN 14891 A 6.9	≥ 0.5 N/mm^2	1.0 N/mm^2

HYDRO BAN conforms to the requirements of EN 14891 with a Classification of DM P.