



**TECHNICAL DATA SHEET**

**AMBER POLYDEX (WATER PROOFING)**

<b>PRODUCT DESCRIPTION</b>	Amber Polydex is a single component water dilutable acrylic copolymer emulsion based system, especially designed to provide a totally seamless, durable water proofing performance for roof protection. It provides a flexible and elastomeric non – permeable seamless membrane with excellent adhesion. It can absorb the possible shocks caused by the contraction and expansion of the substrate surfaces and has excellent solar heat reflection property. It has a very low flame spread property. It contains anti fungal and anti bacterial additives. It has excellent resistance to water, moisture and UV rays.
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<b>RECOMMENDED USES</b>	Amber Polydex is recommended as a water proofing protective coating on cementitious surfaces, mosaic tiles, metal roofs, wooden roofs, domes etc. of interior or exterior applications. It can be applied on slightly wet or moist areas also. For better protection, if required, can be reinforced with Amber Fibre glass mesh, while the intermediate coat is wet. It can hide the hairline cracks on surfaces and reduce the impact of harsh atmospheric conditions.
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**TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	White or as per requirement
<b>FINISH, DRY FILM</b>	Smooth / Satin
<b>VOLUME SOLIDS (ASTM D2697)</b>	55 ± 2%
<b>SPECIFIC GRAVITY</b>	1.25 ± 0.05
<b>THEORETICAL SPREADING</b>	1.8 – 1.4 M2 /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	300 – 400 Microns/Coat
<b>RECOMMENDED WFT (WET FILM)</b>	545 – 730 Microns/Coat
<b>FLASH POINT</b>	Water Base



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**DRYING TIME**

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time).	
<b>TOUCH DRY</b>	4 – 6 hours
<b>DRY TO RECOAT</b>	12 – 16 hours
<b>HARD DRY/FULL CURE</b>	24 hours

**ADVANTAGES**

<b>AMBER POLYDEX</b>	Superior water proofing, high elasticity and tensile strength, provides a protective shield against water, moisture & UV rays, superior adhesion and good impact resistance, low flame spread property and excellent heat reflection ability, seals hairline cracks.
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**APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	Before application, the surface should be sound, clean and free from oil, grease, loose particles, dust, etc. Application can be done by the recommended application methods.
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**APPLICATION DATA**

<b>APPLICATION METHOD</b>	Brush, Roller, Spray etc.
<b>CLEANING/THINNING</b>	Water
<b>THINNER (VOLUME)</b>	Depends on application method
<b>CONV. SPRAY REQUIREMENTS</b>	Possible
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure: 2000 – 2500 psi
<b>NOZZLE SIZE</b>	0.018” – 0.021”
<b>MIXING RATIO (BY VOLUME)</b>	NA
<b>POT LIFE @ 30°c (100 ml)</b>	NA



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### SYSTEM

<b>RECOMMENDED SYSTEM</b>  To be applied on prepared surface. that, minimize ponding of water and to improve surface drainage on roof application	Amber Polydex (Diluted) as Primer Coat	1 coat
	Amber Polydex (Intermediate Coat)	1 coat
	Fix Amber Fibre Glass Mesh (if Required)	
	Amber Polydex (Topcoat)	2 coats

### ADDITIONAL DATA

<b>SHELF LIFE @ 30°C</b>	18 months, in original sealed container, with proper storage conditions.
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### HEALTH & SAFETY

<b>SAFETY PRECAUTIONS</b>	Generally, most of the water base paints are quite safe to handle with due precautions. As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area. Local safety regulations to be followed.
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### STORAGE & HANDLING

<b>STORAGE</b>	Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.
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