

BLACK-ARMOR PU

BITUMEN MODIFIED SINGLE COMPONENT LIQUID APPLIED WATERPROOFING COATIN



TECHNICAL DATA SHEET

Kesari Black-Armor PU is a scientific blend of synthetic resins, selected minerals and fillers. Kesari Black-Armor PU is a protective and waterproof coating. It is a high performance coating that dries to give elastic, flexible, impermeable waterproof membrane.

ADVANTAGE

- Easy and direct (cold applied) application, no preheating required.
- Seamless, no joint
- Vapour Barrier and corrosion resistant provides and impervious waterproofing membrane that protect concrete structure and brick foundation against chloride and sulphate ions present in soils and water

USES

- Useful as protective coating on concrete, brick foundation, retaining wall, timber, metals etc.
- Use as sandwich membrane in new construction and surface treatment on existing slabs
- For waterproofing and protection of structure, concrete, columns and beams.

SURFACE PREPARATION

- The application surface must be clean and free from dust grease and loose particles. Surface may be damp but not saturated.
- Apply one coat of Kesari Black-Armor PU as a PRIMER, diluting 1kg Kesari Black-Armor PU with 2lt water, on well-prepared surface.
- Kesari Black-Armor PU should be stirred well before use. It is recommended that 1-2 coats should be applied depending upon the degree of protection required after the primer coat.
- Kesari Black-Armor PU can be apply with Brush or roller

METHOD OF APPLICATION

- After the primer coat is completely dried apply two coats of Kesari White-Armor PU. It is recommended to apply the 2nd coat after the 1st coat is totally cured.
- For better results use GLASS FIBRE REINFORCEMENT embedded into 1st coat of Kesari Black-Armor PU while still wet.

- Kesari Black-Armor PU could be diluted up till 15-25% for 1st coat and 10-15% for 2nd coat to make material workable and get the desired coverage. All brushes and tools should be cleaned by water. immediately after use.

PHYSICAL PROPERTIES

Properties	Result
Physical Appearance	Blackish paste
Solid Content	Min 50%
Viscosity	45,000 55,000 Cps
Specific Gravity	0.99 to 1.04
Brushability	Easy to brush
Solubility with Water	Should be soluble

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PERFORMANCE PROPERTIES

Properties	Test Method	Result
% Elongation	ASTM D 412	>700%
Tensile Strength	ASTM D 412	1.05 N/mm2
Tear Resistance	ASTM D 2794-93	15 KN/M
Tensile Strength Recovery	ASTM D 2370	Min 95%
Crack Bridging Ability	ASTM C 836	>3 mm
Permeability	IS 2645-1975	Nil
Bond strength	ASTM D 4541	1.5 Kg/cm2
Coverage a) Primer coat b) Cementitious surface		7-9 mtr2/Kg 3-4 mtr2/Kg/2 coat

Precautions & Limitations

- Kesari Black-Armor PU don't use / mix with solvent
- Protect coating with proper and appropriate screed
- Always keep the substrate moist and SSD before priming

SHELF LIFE

6 months in original unopened container, store in well ventilated and dry conditions

PACKAGING

5,20,30 kgs .