

SUPERCRYL R100

HEAVY DUTY REINFORCED ELASTOMERIC WATERPROOF COATING FOR TERRACE

PRODUCT DESCRIPTION

SUPERCRYL R100 (PC 2194) is specially formulated heavy duty terrace waterproofing system, composed of specially developed highly elastic and durable acrylic polymers, graded fillers, pigments, micro-fibres, additives and best quality fungicidal in water medium. It is used as a liquid applied waterproofing membrane for all types of building terraces. **SUPERCRYL R100** is a three layered system and the coats are available in variety of colours.

STANDARDS

It conforms ASTM D 412 : 2002, ASTM D 2240: 2002, ASTM C 836: 1995, ASTM C 1202 : 1997, BS EN 12390, ASTM D 4541 : 2002, ASTM C836 : 1995 and ASTM E 96 : 2000, AS/NZS 4859:1:2002.

PRODUCT PROPERTIES	SUPERCRYL R100	STANDARDS
Solid Content, %	70	-
Dry Film Thickness per 3 coat, mm	1 to 1.25	-
Elongation at Break, %	300	ASTM D 412 : 2002
Hardness (shore A)	80	ASTM D 2240: 2002
Crack Bridging	a) No Cracks up to 2 mm width b) No Cracks up to 1 mm (10 cycles)	ASTM C 836: 1995
Weathering (1000 hours)	No Cracking, Chalking and Discoloration	-
Rapid Chloride Permeability	Very Low	ASTM C 1202 : 19 97
Water Permeability (Depth of Penetration at 5 bar Pressure)	6	BS EN 12390
Tensile Strength, N/mm ²	2.6	ASTM D 412 : 2002
Adhesion Strength, N/mm ²	0.9	ASTM D 4541 : 2002
UV Resistant - Accelerated	Excellent	-
Algae and Fungus Resistant	No Growth	ASTM C836 : 1995
Water Vapour Transmission	19 g/m ² /day	ASTM E 96 : 2000
Thermal insulation	2-5°C	AS/NZS 4859:1:2002

ADVANTAGES

- Suitable for flat as well as sloping roofs
- Higher tear resistance and bond strength
- It is breathable and provides high resistant to abrasion
- Easily applicable by brush or roller
- High elongation and recovery for durable performance over dynamic cracks upto 2mm
- Excellent UV resistance provides colour retention for long lasting attractive finish

AREA OF APPLICATION

- Building roofs or terraces– Flat and sloping
- Over existing cementitious waterproofing treatments like brickbat coba, concrete screeds, acrylic coatings, etc.

APPLICATION METHODOLOGY

Surface Preparation:

Surface for treatments must be thoroughly cleaned of all laitance, loose material, oils, grease, algal growth, etc. Mechanical means such as wire brushing, sand blasting can be used and finally vacuum cleaned of all loose solids and liquids. Where moss, algae or similar growths have occurred, proper treatment should be carried out. Visible cracks should be first treated with **SHELLCRETE SBR**.

Application:

Dilute **SUPERCRYL R100** with 40 to 50 % water and use it as a primer. Allow to dry it for 5 to 6 hrs. All prime substrates should be treated with three coats of **SUPERCRYL R100** with time gap of 6 hours between each coat. Allow coated surface to air cure fully for 7 days.

THEORETICAL COVERAGE

2.5 sq. meter / liter / coat.

HEALTH AND SAFETY

Use mask and hand gloves during application. Clean hands with soap water after application. Avoid contact with skin/ eyes. In case of accidental contact with eyes, rinse immediately with plenty of clean water and seek medical advice. Do not use solvent to clean the contacted area. If swallowed accidentally, contact a physician and avoid inducing vomiting.

PACKAGING

Available in 4 liter and 20 liter container.

STORAGE AND SHELF LIFE

12 months from the date of manufacturing in unopened air tight condition. Store in cool and dry place under shade away from direct sunlight and heat.

Our Products & Services

- ▶ APP & SBS Specialized Waterproofing Membranes
- ▶ Specialized Products for Highways & Road Surfacing
- ▶ PU Bituminous Waterproofing Liquid Membrane
- ▶ Anticorrosive Coating and Tapes
- ▶ Construction Chemicals and Building Materials
- ▶ Specialized Civil & Waterproofing Contracts
- ▶ Admixtures, Sealants and Grouts
- ▶ Thermal Insulation Products
- ▶ Complete Range of Bituminous Products

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