

CRES®FLEX 202

Single component elastomeric acrylic weather resistant coating

CRES®FLEX 202 is a single component acrylic based coating for a tough, flexible, elastomeric and durable coating and has a high level of resistance to weathering agents like UV rays, sunlight, frost, rainfall etc. CRES®FLEX 202 gives Solar Reflective Index (SRI) on existing or new roofs.

ADVANTAGES

- Weatherproof coating.
- Non toxic & Easy to mix and apply.
- Excellent adhesion.
- Elastomeric, high crack bridging capability.
- Eco-friendly, water based.
- Good resistance to Chloride & Carbon dioxide Diffusion.
- UV and weathering resistant.

USES

- Protective and solar reflective coating for sloped concrete roofs & metal profile roofs.
- Protective coating for Polyurethane sprayed foam against UV effect.
- It is designed to apply on wide variety of materials, i.e. concrete, light weight concrete, wood and asbestos cement.
- Terraces and balconies
- Wet areas such as kitchen, bathrooms and residential buildings.

SURFACE PREPARATION

The surface of the concrete shall be sound, clean and uncontaminated. This preparation shall be such as to leave a sound exposed concrete surface free from dust, loose particles and any deleterious matter.

Cracks and potholes shall be repaired with concrete repair mortar from the “CRES®” range.

Metal surface: Clean the surface of all rust scales. This can be achieved by wire brushing or grit blasting.

Priming: A primer coat is required to seal the pores and stabilize the surface. CRES®FLEX 202 with 20% dilution with clean water should be used as a primer coat if required. It will improve the bond strength of the coating. This can be applied by a brush, roller or spray.



TECHNICAL PROPERTIES

Description	Value	Standard
Colour	White / Light Grey	-
Specific gravity @25 °C	1.3 (±0.05)	ASTM D1475
Solid content, %	64 (±1)	ASTM D6083
Crack Bridging ability, mm	>1.0	ASTM C836
Elongation at break, %	> 400	ASTM D412
Solar Reflectance, %	>80 (White)	ASTM C1549
Thermal Emittance	0.8 (White)	ASTM C1371
Solar Reflective Index (SRI)	>90 (White)	ASTM E1980
Tensile Strength, N/mm ²	>1.4	ASTM D412
Adhesion Strength, N/mm ²	>2.4	ASTM D4541
VOC Content, g/L	<1.0	DMS 0033:2016
Application Temperature, °C	5 to 45	-
Service Temperature, °C	-5 to 70	-

All values given are subject to 5-10% tolerance.

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APPLICATION

The primer coat should be allowed to dry completely before the application of **CRES®FLEX 202**. It can be applied by brush, roller or an airless spray. When applying by airless spray then dilute the coating with approximately 5% water to reduce the viscosity of the coating. Apply a minimum of two coats with undiluted material @0.9-1.0 kg/ m² per coat for 0.5mm DFT (Theoretical) when used as waterproofing. It is important to ensure that each coat has to be cured totally before applying the next coat. Prior to second coat, a close visual inspection of the surface should be made for any pin holes or surface irregularities. The second coat should be applied at 90° to the first.

Apply at the rate of 0.5-0.6 kg/m² per coat when used as solar reflective coating. Ensure a slope of 1:75 is maintained to avoid ponding.

PACKING

CRES®FLEX 202 is supplied in 20 kg plastic pail.

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of this product is 12 months from the date of manufacturing.

STORAGE

CRES®FLEX 202 should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

HEALTH AND SAFETY

Always use protective clothing, eye goggles and hand gloves when handling this product. Avoid contact with skin or eyes. If spilled on the skin, wash immediately with soap and plenty of water. Accidental splashes on the eyes should be immediately clean with fresh water and medical attention sought.

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.