

KWICKCOAT SR 120

Heat Insulating Elastomeric Exterior Coating

DESCRIPTION

KWICKCOAT SR 120 is a single component heat reducing elastomeric acrylic coating composed of acrylic resin, ceramic hollow micro sphere, pigments, reinforced fillers and additives. It is used as a waterproofing and heat reflective coating on roofs and exterior walls resulting in substantial reduction in power consumption, due to its good SRI value.



PRODUCT BENEFITS

- Ensures durable bond and resists peeling, chipping, hence lasts longer.
- Highly resistance to oxidation, UV and ozone.
- Provide insulation or cooling effect.
- Eliminates costly forms of other roofing system.
- Withstands expansion/contraction and deck movements, resists crack.
- Excellent UV and IR resistance-Enhance environmental protection.
- Algae and fungus resistance-long lasting film properties
- Substrate temperature reduction up to 10°C in the peak summer
- Protective and waterproofing-keeps the concrete slabs surface temperature lower hence reduction in thermal stresses and subsequent development cracks.

PRODUCT FEATURES

AVAILABLE PACKS



Available in 5, 10 and 20 Kgs Pails.

RECOMMENDED USAGE



TECHNICAL DATA

SPECIFICATION			
PARAMETERS	UNITS	TEST METHOD	RESULT
Base Appearance			Single component, special synthetic resin based
Solid Content	%	ASTM-D-1475-03	65+ 2
Color			White
Viscosity	Cps, @ 25°C.	ASTM-D1200	20000 to 40000
Specific Gravity	Kg/L	ASTM-D-244	1.10 + 0.10
Curing Time	@ 25°C, 50% RH	ASTM C 4125	Approx.48 hours
Drying Time	@ 25°C, 50% RH	ASTM-D 1640-03	Approx. 2 hours
Hardness	Shore A	ASTM – D 2240-05	55 ± 5
Resistance to Temperature			Approx. -30 °C to +100 °C
Elongation Break	%	ASTM – D 2370-98	> 350
Tensile Strength	N/mm	ASTM-D 41298a	3.5
Water Permeability			Nil
Flash Point			Non-flammable
Chemical Resistance			Good
Insulation Properties			Good
Solar Reflective Index (SRI)	%		120
Crack Bridging Test Report	...	ASTM- C836	No Cracking

DIRECTION TO USE

METHOD OF APPLICATION

SURFACE PREPARATION

- Surface should be clean free of dirt, gravel, dust and oil, concrete and cementitious substrate are to be well compacted and at least 28 days old, with troweled finish. Wood panels or metal sheeting should be solidly fixed and cleaned. Bio wash for killing fungus where necessary.

METHOD OF USE

- Prime the prepare surface with KWICKCOAT SR 120 water diluted in the ratio of 1:2 post drying of primer, Apply 1st & succeeding coats.
- Apply by brushes, squeegees, roller or airless spray equipment, Allow full curing of each coat (Approx. 8-10hrs) Before next coat KWICKCOAT SR 120 is water dilutable up to 10-15% for 1st coat., 10-15% for 2nd coat.
- Ensure complete curing (approx.48 to 72hrs) before exposure to water. For best results, apply when surface and ambient temperature are above 13°C and below 40°C.

STORAGE

- Shelf life is 18 months in unopened container. Store away from sunlight and preferably below 30°C. Storage should be frost protected.

COVERAGE

- Approximate coverage is around 25-30 sq. ft per kg/coat. 2 Coats of application should generally return DFT of approx. 200-300 microns.
- For best result apply additional coat to get minimum of 800-1000 microns.

SAFETY

- As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of KWICKIX products, are given in good faith based on KWICKFIX's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with KWICKFIX's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. KWICKFIX reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

CALL ON +91 72 7860 7860 TO SPEAK TO OUR SOLUTION EXPERTS

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Scan QR code to watch application videos

Disclaimers: The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. Properties quoted are typical and do not therefore constitute a specification. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E & OE