

# iKote AC X30

## HEAT RESISTANT ACRYLIC WATERPROOFING COATING

### DESCRIPTION

ikote AC X30 is a heat resistant Acrylic Co-polymer based elastomeric coating which forms an excellent, flexible yet tough barrier to water. ikote AC X30 is formulated with high quality acrylic polymer to provide excellent weather resistance, heat resistant and adhesion to substrates. A single part system which when applied cures to form a UV resistant layer which resists water and other weathering elements.

### RECOMMENDED APPLICATIONS

For Damp proofing of walls  
For waterproofing of sloped concrete and metal roofs  
As a protective coat for EIFS and other building envelope systems.  
As damp-proof course under block work for restricting rising dampness  
Re waterproofing of sloped fibre cement roof  
For indoor and outdoor waterproofing applications.

### MAIN FEATURES

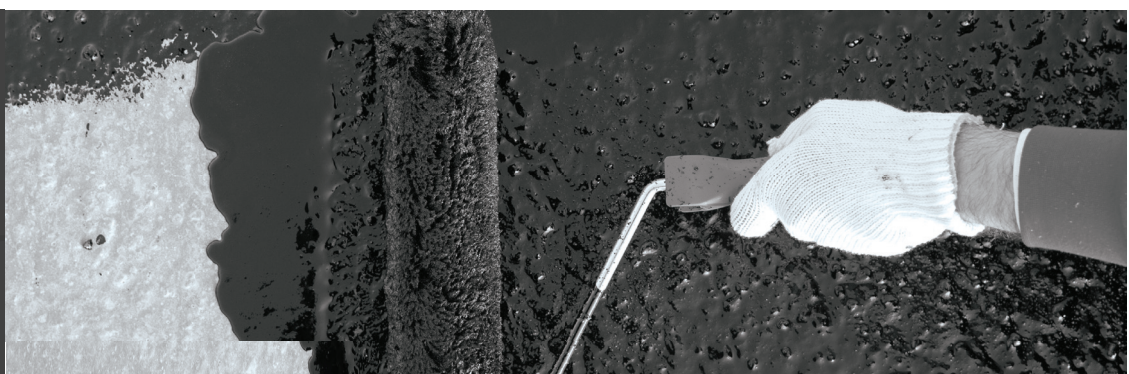
Non Toxic : can be applied to surfaces exposed to clean water  
Durability : Tough surface with high resistance to weathering effects  
Excellent adhesion to surface : Suitable surfaces would be concrete, metal and wood  
UV resistance : Blocks UV and resists any degradation caused by UV and other harmful rays  
Flexible and Elastic : bridges upto 2 mm cracks in concrete, accommodates movements at corners

### PRODUCT DETAILS

Color : White/ Grey  
Touch dry time : 2 hrs @ 20 dc  
Specific gravity : 0.80 (+/- 0.05)  
Solid content : 50% (+/- 2%)  
Application temperature : 5 to 45 °C ( ambient )  
Service temperature : -5 to 70 °C ( Surface )

### TECHNICAL PARAMETER

Physical Properties	Test Method	Typical Value
Tensile strength #	ASTM D 412	1 N/mm <sup>2</sup>
Elongation #	ASTM D 412	> 100%
Crack Bridging	ASTM D 836	>1 mm
Adhesion to concrete	ASTM D 4541	0.75 N/mm <sup>2</sup>
Water penetration	BS EN 12390	Pass
Solar reflectance	White Color	-
Accelerated Weathering		
Water vapor transmission	-	Pass



<b>SUBSTRATE PREPARATION</b>	The surface must be structurally sound and free of oil, grease, dust, and other contaminants which will affect the adhesion. Rotary wire brush or light grinding should be employed to prepare the substrate. Minor honeycombs and potholes up to 5mm shall be repaired with cementitious mortar.  While applying ikote AC X30 over aluminum sandwich panel or corrugated sheets, make sure that all the joints are riveted properly, and rusted sheets replaced..
<b>PRIMING</b>	A primer coat is recommended on used older exposed surfaces. The drying time would be a minimum of 8 hours at 25°C. ikote AC X30 diluted with 20% clean water may be used as a primer coat. It will improve the bond strength of the coating.
<b>PLACING</b>	Application procedure may be vary slightly depending upon the site conditions. The general recommended guidelines for the application of the coating systems are as follows: It is recommended to apply ikote AC X30 in two coats. Critical areas like pipe penetrations and corners to be treated first. Apply one coat of ikote AC X30 with a brush on all corners and around the pipe penetrations extending up to 200mm on either sides and reinforce with a fibre mesh/ geo textile. Apply a second coat over it and allow to dry. Then apply first coat of ikote AC X30 by brush or roller over the entire area at 0.75 Ltr/ Sq.M. A second coat to be applied at right angles to the first coat at 0.75 Ltr/ Sq.M. after the first coat is dry. The coating is to be left to cure for a minimum of 72 hours.
<b>COVERAGE</b>	Manual application – 1.5 Ltr /m2 / mm thickness Spray application – 1.5 ltr / m2 / mm thickness
<b>PACKAGING</b>	20 Ltr pails
<b>STORAGE</b>	Store all materials in a covered, cool, and dry place on a raised surface, preferably a wooden pallet. Avoid material allowing the material to freeze which will render the material unusable. If stored properly, ikote AC X30 has a shelf life of at least 12 months.
<b>LIMITATIONS</b>	ikote AC X30 should not be applied if the air temperature, substrate temperature or material temperature is greater than 45°C. This may significantly reduce the open time of coating, Do not proceed with application on external areas when rainfall is imminent . Do not apply over light weight concrete or foam concrete.
<b>HEALTH AND SAFETY</b>	Caution should be exercised while applying the product as it is with any other construction chemical. Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. If accidental eye contamination occurs, wash thoroughly with plenty of water and seek medical advice. If contact with skin occurs, it must be removed before curing takes place.

*Disclaimer: All technical data at this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields. Information on this datasheet is subject to change without notice and should not be used for writing specification. For additional information on specific applications, please contact Greentech. The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet, or any verbal advice given, unless there is a case of willful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product. Innobit 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. All values given are subject to 5 – 10% tolerance. #Values achieved within 48 hours after casting specimen.*



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