

Kemcoat Antistatic

Seamless, Epoxy Based, Anti-Static Wall Coating System.

Description	Kemcoat Antistatic is a solvent-free epoxy resin based anti-static wall coating system comprising a conductive under-coat topped with a smooth finish epoxy coat with controlled electric properties. It has excellent adhesion to most building materials when Sealer E43 is used as a solvent-free, low viscosity priming coat
Where to use	<ul style="list-style-type: none"> • Kemcoat Antistatic is suitable for use in areas where a durable, cleaned, chemically resistance surface is required with the attendant risk of static building. Typical areas of use are: • Laboratories & Hospitals • Rooms containing electronic equipment • Chemical plants & explosive factories • Computer & printing factories
Advantages	<ul style="list-style-type: none"> • Negligible shrinkage • Excellent resistance to both chemical and mechanical attack. • Eliminates static discharge from personnel and vehicles. • Excellent adhesion to concrete & masonry. • No Oder, zero VOC & easy to clean.
Properties	
Density	1.57 ±0.06 Kg/L
Surface finish	Glossy or Matt
Pot Life @ 23 °C	40 Minutes
Cure time @ 23 °C	24 Hours
Compressive strength	30 - 40 N/mm ²
Flexural strength in-tension	20 - 25 N/mm ²
Modulus of elasticity	4000 N/mm ²
Surface resistance	10 ⁶ - 10 ⁹ ohms
Chemical Resistance	Excellent
It complies with IEC 61340-4-1	
Surface Preparation	<ul style="list-style-type: none"> • All surfaces must be dry, clean and sound. • All contaminations, grease, oil and loose particles must be removed. • Concrete surface must be free from laitance. • Any approved mechanical method such as sandblasting or scarifying can be used • surface profile as (ICRI) standards.
Priming	<ul style="list-style-type: none"> • Apply a priming coat with a solvent free, low viscosity epoxy resin binder Sealer E43 or a water based epoxy primer Bonding Primer by means of brush or roller avoiding puddles on the surface. • Freshly applied, the primer should be protected from damp, condensation and water for at least overnight.
Mixing and application of Conductive layer	<ul style="list-style-type: none"> • Prior to mixing, stir part A mechanically when all of part B has been added to part A, mix continuously for three minutes with a low speed mixer until a uniform and homogeneous mix has been achieved • Apply the mixed Conductive primer over the whole area of the surface by roller, taking care to ensure good wetting of the surface. • The fully cured film must show a matt and even black appearance.
Mixing and application of Top coating	<ul style="list-style-type: none"> • Prior to mixing, stir part A mechanically. • when all of part B has been added to part A, mix continuously for three minutes with a low speed mixer until a uniform and homogeneous mix has been achieved • The topping compound Kemcoat AS should be applied after the conductive layer has cured. • Apply the top coat with a roller, brush or airless spray within the over coating time. • Excessive thickness must be avoided since it's a cause of reducing conductivity. • Leave to full cure for 7 days.
Cleaning	Tools should be cleaned, providing the adhering has not already set, using special thinner

Theoretical coverage	<ul style="list-style-type: none"> • Sealer E43 at a consumption of 0.15 - 0.2 Kg/m² • Conductive Primer 0.15 - 0.25 Kg/m² • Kemcoat Antistatic 0.25 – 0.3 Kg/m² at D.F.T 160 - 190 microns / coat • 2 coats are recommended
Packaging	5 Kg for two components (A & B)
Shelf life & Storage	At least one year in manufacturer's undamaged, sealed containers in dry conditions, and out of direct sunlight
Health and Safety	<ul style="list-style-type: none"> • This product is of low toxicity but normal precautions should be observed. • Wear gloves, and if working overhead or spraying, wear goggles. • Wash off any skin splashes with soap and water. • Irrigating the eye with an eye bathing solution should treat eye contamination. • Ensure adequate ventilation in confined spaces and use breathing aids. • If ingested, drink milk or water and seek medical attention.
Additional Information	<p>PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure.</p> <p>PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range for our customer's satisfaction.</p> <p>PROKEM reserves the right to change the properties of its products.</p> <p>All orders are accepted subject to our current term of sale & delivery.</p> <p>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.</p> <p>PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products.</p>