

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 regular epoxy primer under-coat topped with a smooth finish epoxy coat with controlled electric properties. It has excellent adhesion to most building materials
Where to use	• Kemcoat Antistatic is suitable for use in areas where a durable, cleaned, chemical 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	• 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 & Color	Glossy or Matt - RAL's 7040, 6033, 1027, & RAL 5012
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	• 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	• 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 Top coating	• 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 Antistatic should be applied after the primer layer is 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 Prosolve
Theoretical coverage	• Sealer E43 at a consumption of 0.15 - 0.2 Kg/m² • Kemcoat Antistatic 0.2 – 0.22 Kg/m² at D.F.T 120 - 125 microns / coat • Minimum of 2 coats are always required • For further thickness required, multiple coats can be applied between 8 – 48 hours
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	• 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	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 PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range for our customer's satisfaction PROKEM reserves the right to change the properties of its products All orders are accepted subject to our current term of sale & 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 PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products