

5L PART NUMBER 8110-0600

NON-CONDUCTIVE, CORROSION RESISTANT COATING

TECHNICAL DATA

Components	Two Parts – Resin & Hardener
Appearance (Resin)	Grey
Appearance (Hardener)	Amber
Kit sizes	5 Liter

DESCRIPTION:

NORDBAK® NORDCOAT 6 ANTI-STAT is an outstanding non-conductive, corrosion-resistant, and water-resistant coating suitable for use on steel, as well as a wide variety of other substrates.

NORDBAK® NORDCOAT 6 ANTI-STAT is a solvent-based copolymer coating giving maximum coating thickness of 70µm in a one coat application. Two coats are recommended for most industrial applications.

NORDBAK® NORDCOAT 6 ANTI-STAT may be applied by brush, roller or spray. For Acid environments refer to **NORDBAK TECHNICAL SERVICES DEPARTMENT**.

RECOMMENDED APPLICATIONS

Food Processing Plants	Water Purification and Storage
Chemical Plants	Sewerage Works
Battery Bays	De-ionised Water Storage Tanks
Acid Storage tanks	Laboratories
Mineral Extraction Plants	Cold Storage Rooms
Steam Cleaning Bays	Fertiliser Factories
Electro Plating Plants	Textiles Factories
Petrochemical Plants	Substations
Electronics manufacturing	
Automotive	

PHYSICAL PROPERTIES

Shelf Life	12 Months
Pot Life	90 Minutes
Curing Time	12 Hours @ 20°C
Coverage @ 70µm	According to profile (8m ² per litre on new steel)
Coating Specification	± 70µm per coat. Recommended thickness 150µm (minimum DFT)

SANS 1217 Results

	Evaluation	Requirements
Resistance to indentation	91	80 min
Adhesion (MPa)	>20.4	15 min
Water absorption (g/m ²)	-3.1	10 max
Resistance to water	No defects	No defects
Cathodic disbondment	5.6mA	30 max
Disbonded area	0mm ²	600 max
Impact Resistance (J)	>10	4 min
Resistance to MEK	Complies	No defects
Di-electric strength (kV/mm)	6.9	10 min
Odour and taste	Complies	Not objectionable
Salt fog test (7 weeks)	No visible defects	None

ADVANTAGES

Application by spray, paintbrush or roller. Care should be taken when used in enclosed areas and adequate ventilation is essential.

SURFACE PREPARATION

STEEL:

Steel surfaces should be dry grit blasted to SA 2½ with a blast profile of between 70 – 100µm.

Ensure that the surface is free of laitance, oil and grease contamination. Coating must be applied within 4 hours of blasting. All steels should be free of any chemical residues prior to coating and dry grit blasting.

Note: If the surface cannot be grit blasted, the surface may be prepared using a wire brush. Ensure that all rust residues are removed and further clean surface using epoxy thinners and a cloth.

CONCRETE:

Do not coat concrete that has not fully cured (28 days) or has been treated with a hardening solution unless previously tested. All surfaces are to be washed and then acid washed with a mild hydrochloric / sulphuric solution (not exceeding 5%) to ensure the removal of all grease and other contaminants leaving the concrete visually clean. The entire surface must then be flushed with water and allowed to dry.

NORDBAK® has a wide variety of resin systems now available. **Crusher:** NORDBAK® Fast-set and Deep Pour Grouts, NORDBAK® Trowel mix, NORDBAK® Primary, High Performance and Standard **Backing Compounds:** Wearing compounds include NORDBAK® **High Temperature Wearing Compound:** NORDBAK® High Temperature Pneu Wear, NORDBAK® Regular Wearing Compound, NORDBAK® Nordwear 5, Nordwear 8 and Nordtile wearing compounds and the Nordcoat Acid resistant coating range.

APPLICATION

- To ensure adequate curing, the minimum substrate temperature should be above 10°C.
- Ensure no ingress of water during mixing.
- Mix resin thoroughly using a low-speed power drill (400 rpm. max for 2 minutes).
- Pour all the hardener into the resin and mix thoroughly until a uniform colour is achieved. For brush or roller all of the mixed product should be split into shallow paint roller trays and applied without delay.
- If a second coat is required, it should be applied whilst the first coat is still tacky to the
- DO NOT MIX RESIN AND HARDENER UNTIL READY TO COMMENCE.

SPRAY APPLICATION

- Nozzle 517** ± 70µm film thickness at 25°C approximately
Nozzle 519 ± 100µm film thickness at 25°C approximately

APPLICATION TEMPERATURE

Material	10°C - 30°C
Surfaces	10°C - 40°C
Ambient	10°C - 40°C
Humidity	0 - 85%

IF A PREVIOUSLY COATED AREA IS TO BE OVERCOATED, PLEASE CONSULT NORDBAK'S TECHNICAL SERVICES DEPARTMENT.

TECHNICAL TIPS FOR WORKING WITH NORDCOAT 6 ANTI-STAT:

Working and cure time is dependent on temperature and mass:

- The higher the temperature, the faster the cure.
- The larger the mass of **NORDBAK® NORDCOAT 6 ANTI-STAT** the faster the cure.

To speed up the curing time at low temperatures:

- In cold weather, store kits in a warm area and warm the resin to at least 15°C before mixing.
- Pre-heat repair surface until warm to touch.

DO NOT MIX RESIN AND HARDENER UNTIL READY TO COMMENCE.

PROTECTION:

- All work is to be done in a well-ventilated area.
- Ensure the use of adequate PPE to be worn upon mixing and application.
- Refer to Material Safety Data Sheet.

STORAGE:

Store **NORDBAK® NORDCOAT 6 ANTI-STAT** indoors on pallets at temperatures between 10°C and 35°C. Keep container tightly closed and away from acids and oxidizers. If product is removed from container do not return it to original container as contamination may have occurred.

DISCLAIMER:

The information provided in this data sheet including the recommendations for use and application of this product are based on our knowledge and practical experience and laboratory tests of the product as at the date hereof. This data sheet shall be used as a guide to the user's application.

This product has been designed for specific applications based on normal working and operating conditions, and although it may be used in different applications and working conditions such instances are beyond our control. Therefore Nordbak shall not be liable for the suitability/merchantability of our product in your application unless we have specifically advised so in writing. Accordingly, we advise that you conduct your own investigations to confirm the suitability of our product, as it ultimately remains the user's responsibility to protect property and persons against hazards emanating from the handling and use thereof. Accordingly, any civil liability as a result of damages, injury, or death, in respect of the information in this data sheet, or any other written or oral recommendation(s) regarding the suitability of this product, are hereby excluded. Furthermore Nordbak shall not be liable under any circumstances for any consequential or incidental damages of any kind, including but not limited to loss of profits.

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