

6 x 1kg PART NUMBER 8110-0703

**HEAVY DUTY CORROSION, ACID AND WEAR RESISTANT  
COATING**

**TECHNICAL DATA**

Components	Two Parts – Resin & Hardener
Appearance (Resin)	Black
Appearance (Hardener)	Amber
Kit sizes	6 x 1 kg

**DESCRIPTION:**

**NORDBAK® NORDCOAT 7 ACID** is an outstanding corrosion, acid and wear resistant coating which can be used on steel as well as a wide variety of other substrates.

**NORDBAK® NORDCOAT 7 ACID** is a two-part 100% solids co-polymer coating giving maximum coating thickness in a one-coat application.

**RECOMMENDED APPLICATIONS**

Sugar Mills	Water Purification and Storage
Chemical Plants	Fruit Processing
Battery Bays	De-ionised Water Storage
Tanks	Laboratories
Acid Storage Tanks	Cold Storage Rooms
Mineral Extraction Plants	Fertilizer Factories
Steam Cleaning Bays	Animal Cages
Electro Plating Plants	High Temperature Applications
Fishing Processing Factories	Phosphoric Acid Plants
Abattoirs	Sewerage Works
Dairies and Cheese Factories	Petrochemical Plants
Acid Production Plants	

**GENERAL CHEMICAL RESISTANCE**

ACIDS	MISCELLANEOUS
Hydrofluoric Acid (up to 65%)	De-ionised Water
Acetic Acid	Hydrogen peroxide
Lactic Acid	Molasses
Orthophosphoric Acid Dilute	All Hydroxides
Hydrochloric Acid Dilute	Ethylene Glycol
Sulphuric Acid (up to 98%)	Petrochemicals
Citric Acid	Pepticol Naphtha

**PHYSICAL PROPERTIES**

Shelf Life	6 Months
Pot Life	45 mins
Gel Time	3 Hours @ 20°C
Coverage	4.8m <sup>2</sup> per kit @ 300µm
Coating Specification	A single coat of 250 - 350µm

**ADVANTAGES**

- The solvent free formulation ensures no shrinkage, resulting in wet film thickness being equal to dry film thickness.
- Application by paint brush or roller (product also available for trowel applications on request).
- No toxic fumes when used in enclosed areas though adequate ventilation essential.

**OPERATIONAL TEMPERATURE RANGE**

98% Sulfuric at room temperature. Immersion temperature depend on contents.

**SURFACE PREPARATION**

**STEEL**

Steel surfaces should be dry grit blasted to SA 2½ with a blast profile of between 75 –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.

**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 / Sulfuric 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.

**APPLICATION**

- To ensure adequate curing, the minimum substrate temperature should be above 10°C.
- Ensure no ingress of water during mixing.
- Mix resin thoroughly with a low-speed drill (400rpm max for 2 minutes).
- Pour all the hardener into the resin and mix thoroughly until a uniform colour is achieved. 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 touch.

**NOTE: APPLY NORDCOAT 7 ACID DIRECTLY TO THE STEELWORK AND ENSURE THAT ALL OTHER COATINGS/PRIMERS HAVE BEEN THOROUGHLY REMOVED.**

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 TEMPERATURE

Material	10°C - 30°C
Surfaces	10°C - 40°C
Ambient	10°C - 40°C

### TECHNICAL TIPS FOR WORKING WITH NORDCOAT 7 ACID:

#### Working time and cure depends on temperature and mass:

- The higher the temperature, the faster the cure.
- The larger the mass of material the faster the cure.

#### To speed up the curing time at low temperatures:

- The lower the temperature, the longer the cure.
- 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 the touch.

### DO NOT MIX RESIN AND HARDENER UNTIL READY TO COMMENCE.

### PROTECTION:

- All work is to be done in a well-ventilated area.
- Overalls and eye protection required.
- Refer to Material Safety Data Sheet.

### STORAGE:

Store 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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