

4 x 1kg PART NUMBER 7459-6203  
10kg PART NUMBER 7459-6201

### TECHNICAL DATA

|                       |                              |
|-----------------------|------------------------------|
| Components            | Two Parts – Resin & Hardener |
| Appearance (Resin)    | White                        |
| Appearance (Hardener) | Red                          |
| Kit sizes             | 4 x 1kg<br>10kg              |

### DESCRIPTION:

**NORDBAK® Nordwear 5 Acid** is a co-polymer trowelable paste with excellent acid resistant and wear properties together with resilience and impact strength.

Specifically designed for Vanadium plants where high levels of salts (sodium sulphate, ammonium sulphate and vanadium pentoxide are present at pH values between 3 and 10).

Using the latest chemical technology available **NORDBAK® Nordwear 5 Acid** has been designed specifically for both waterborne slurries and pneumatic conveyancing.

**NORDBAK® Nordwear 5 Acid** contains fillers with exceptional abrasive, chemical and corrosion resistance.

The product is also heavily filled with high-density fillers to assist with heat dissipation.

### FEATURES

Co-polymer chemistry

Bead Structure

### BENEFITS

- Harder than epoxy.
- Improved heat resistance.
- Improved chemical resistance.
- Easier to use than epoxy.
- The chemical composition of the polymer is such that more solids can be used resulting in better wear properties.
- Irregular beads overlap forming a carpet of wear resistance.
- Polymer does not wash out.

### PHYSICAL PROPERTIES

|  |   |
|--|---|
| Hardness                               | 82 Shore D DIN 53 505   |
| Acid Resistance (immersion at ambient) | Sulphuric Acid 50%  |
| Temperature Limit                      | 200°C continuous for pneumatic flow. Immersion temperature dependent on contents. |
| Impact Strength                        | 3.4 Jm <sup>-1</sup>  |
| Gel Time                               | 90 minutes @ 25°C   |
| Working Time                           | 45 minutes @ 25°C   |
| Specific Gravity                       | 2 – 2.2   |
| Coverage                               | 1 m <sup>2</sup> @ 4.5 mm   |

### APPLICATION

After the surface has been grit blast cleaned and roughened, (SA2½ and 70µm profile), warm the surface slightly to 25-30°C.

This procedure allows the polymer to liquefy and flow freely into the pores of the material providing a positive gripping action.

**NORDBAK® Nordwear 5 Acid** should be applied to at least 4.5mm minimum thickness for best results.

**NORDBAK® Nordwear 5 Acid** will bond securely to itself, although, surfaces should be clean, dry and in sound condition with no loose or flaky contaminants present. If you are renewing a vertical or smooth surface, it is recommended that you rub or “wet” a thin layer of mixture on the area before applying the full coat.

Working time of **NORDBAK® Nordwear 5 Acid** is approximately 30 to 45 minutes at room temperature. This is ample time for large applications and hard to reach areas.

### TECHNICAL TIPS FOR WORKING WITH NORDWEAR 5 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 between 15 -25°C before mixing.
- Pre-heat surface until warm to the touch.

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.

**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.

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.