

## TECHNICAL DATA SHEET

## D32 1

### HI WEAR EPOXY

V1-31/03/2024

#### DESCRIPTION

D321 Hi Wear Epoxy is an advanced epoxy resin system containing alumina ceramic beads, especially designed to give long lasting protection to plant equipment subjected to high abrasion.

#### PROPERTIES

- Compressive Strength: 90mPa @20°C
- Tensile Strength: 35mPa @ 20°C
- MOH Hardness: 9
- Excellent Abrasion Resistance
- Excellent Erosion Resistance
- Excellent Corrosion Resistance
- Good Adhesion
- Water Smoothable

#### RECOMMENDED AREAS FOR USE

Lining of equipment subject to abrasion, such as:

- Slurry lines
- Feed chutes
- Hoppers
- Chests and settling tanks
- Cyclones etc.

<b>COLOUR</b>	: Light Pink
<b>Nº. OF COMPONENTS</b>	: 2
<b>MIXING RATIO (WEIGHT)</b>	: 2 : 1
<b>CONSISTENCY</b>	: Thick Mortar
<b>VOLUME SOLIDS</b>	: 100%
<b>MIXED DENSITY</b>	: 2.4
<b>PRACTICAL SPREAD RATES</b>	: 1m <sup>2</sup> /l
<b>DRY FILM THICKNESS</b>	: 4 - 6 mm
<b>POT LIFE @ 25°C</b>	: 1 hr
<b>TOUCH DRY @ 25°C</b>	: 4 hrs
<b>HARD DRY @ 25°C</b>	: 12 hrs
<b>FULL CURE</b>	: 7 days
<b>APPLICATION TEMPERATURE</b>	: 10 to 40°C
<b>OPERATING TEMPERATURE</b>	: -20°C to +60°C
<b>RECOMMENDED NO. OF COATS</b>	: 1 - 2
<b>CLEANING EQUIPMENT</b>	: D701 WSBC
<b>APPLICATION METHOD</b>	: Trowel
<b>STORAGE TEMPERATURE</b>	: 10 to 40°C
<b>SHELF LIFE</b>	: 12 months
<b>PACK SIZE</b>	: 3 & 15 Kg

#### CHEMICAL RESISTANCE

Resistant to most dilute acids & alkalis, petroleum products & salt water.

#### SURFACE PREPARATION

All surfaces must be clean & mechanically sound and free of oil, dirt & dust.  
Grit blast to achieve a minimum angular profile of 125µm.

#### MIXING

Thoroughly mix the resin and activator in the proportions given using a slow speed mechanical mixer.  
Ensure complete homogenous mixing.

#### APPLICATION

Using a steel trowel or gloved hand apply the mixed compound at a thickness of 4 - 6mm.  
Wipe smooth by spraying water onto the trowel using a hand pressure sprayer.  
Use all mixed material within 50 minutes @ 25°C.

#### TOXICITY

Although D321 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional epoxy resin systems are adhered to. Refer to the 16-point Material Safety Data Sheet.

#### HOW TO SPECIFY

All equipment to be prepared and lined with D321 Hi Wear Epoxy in accordance with the manufacturer's instructions.