

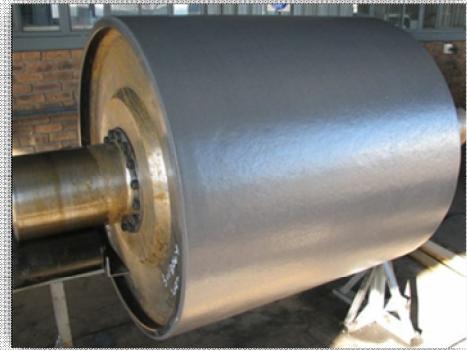


# DATA SHEETS

## POXPASTE - S101 TROWLABLE WEARING COMPOUND

### DESCRIPTION

POXPASTE - S101 is a **100%** solids modified epoxy resin system containing sapphire hard alumina ceramic beads to withstand severe cavitation, tough abrasion and moderate impact.



### APPLICATION

POXPASTE - S101 is applied to the prepared surface with a trowel or by hand at the required thickness, from **3mm** upwards, depending upon the application.

### SURFACE PREPARATION

A properly prepared surface is important to the end result and lasting durability of POXPASTE - S101. Steel surfaces should be dry grit blasted to **SA 2.5** with blast profile between **50-70 microns** to leave the surface free of oil and grease contamination. In cold conditions it is recommended to warm the substrate to **30-35°C**.



### TYPICAL APPLICATION

#### Lining of:

- pipe bends
- slurry lines
- pump casing
- cyclones
- conveyor pulleys
- chutes, hoppers
- launders and feeder boxes

### THEORETICAL COVERAGE

**12kg** Kit covers **1m<sup>2</sup>** at **6mm** thick not compacted and **4.2mm** thick - compacted

**KIT SIZE: 12kg**

## POXPASTE - S101

## TROWLABLE WEARING COMPOUND

Physical Properties	Typical Values
Impact Resistance	15 J
Density	1,94 g/cm <sup>3</sup>
Heat Resistance	150°C to 180°C
Wear Resistance	0,04 mm/min
Coefficient of Friction	0.57

### Curing

Gel Time	45 min at 25°C
Working Time	30 min at 25°C
Curing Time	4 Hrs. at 25°C

### Acid Resistance at Room Temperatures

Chemical	% Weight Loss	Duration of submersion
Sodium Hydroxide	<0.5%	7 days
Sulphuric Acid	<0.5%	7 days
Hydrochloric Acid	<0.5%	7 days
Phosphoric Acid	<0.5%	7 days

For any Technical advice regarding the above, please do not hesitate in contacting our Technical Department.

#### **WARNING**

When using epoxy resin systems, care should be taken to avoid contact with skin, eyes and clothing. Use gloves and eye protection when handling. Do not inhale vapour. Ensure there is sufficient ventilation throughout the work area.

## POXPASTE - S102 TROWLABLE WEARING COMPOUND

### DESCRIPTION

POXPASTE - S102 is a **100%** solids modified epoxy resin system formulated to withstand severe cavitation, tough abrasion and moderate impact.



### APPLICATION

POXPASTE - S102 is applied to the prepared surface with a trowel or by hand at the required thickness, from **3mm** upwards, depending upon the application

### SURFACE PREPARATION

A properly prepared surface is important to the end result and lasting durability of POXPASTE - S102. Steel surfaces should be dry grit blasted to **SA 2.5** with blast profile between **50-70 microns** to leave the surface free of oil and grease contamination. In cold conditions it is recommended to warm the substrate to **30-35°C**



### TYPICAL APPLICATION

Lining of:

- pipe bends
- slurry lines
- pump casing
- cyclones
- conveyor pulleys
- chutes, hoppers
- launders
- Feeder boxes etc.

### THEORETICAL COVERAGE

**12kg** Kit covers **1m<sup>2</sup>** at **6mm** thick not compacted and **4.1mm** thick - compacted

**KIT SIZE: 12kg**

**POXPASTE - S102 TROWLABLE WEARING COMPOUND**

Physical Properties	Typical Values
Impact Resistance	15 J
Density	1.94 g/cm <sup>3</sup>
Heat Resistance	150°C to 180°C
Wear Resistance	0.04 mm/min
Coefficient of Friction	0.57

**Curing**

Gel Time	45 min at 25°C
Working Time	30 min at 25°C
Curing Time	4 Hrs. at 25°C

**Acid Resistance at Room Temperatures**

Chemical	% Weight Loss	Duration of submersion
Sodium Hydroxide	<0.5%	7 days
Sulphuric Acid	<0.5%	7 days
Hydrochloric Acid	<0.5%	7 days
Phosphoric Acid	<0.5%	7 days

**For any Technical advice regarding the above, please do not hesitate in contacting our Technical Department.**

**WARNING**

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## POXPASTE - S104

FAST CURE WEARING COMPOUND (40 Minutes)

### DESCRIPTION

POXPASTE - S104 is a **100%** solids modified epoxy resin system containing sapphire hard alumina ceramic beads to withstand severe cavitation, tough abrasion and moderate impact.



### APPLICATION

POXPASTE - S104 is applied to the prepared surface with a trowel or by hand at the required thickness, from **3mm** upwards, depending upon the application.

### SURFACE PREPARATION

A properly prepared surface is important to the end result and lasting durability of POXPASTE - S104. Steel surfaces should be dry grit blasted to **SA 2.5** with blast profile between **50-70 microns** to leave the surface free of oil and grease contamination. In cold conditions it is recommended to warm the substrate to **30-35°C**.

### THEORETICAL COVERAGE

**0.95m<sup>2</sup>** at **6mm** thick per **12kg** kit

### TYPICAL APPLICATION

Lining of:

- Conveyor Pulleys
- Pipes
- Chutes
- Feeder Boxes
- Launderers
- Emergency Repairs

**KIT SIZE: 12kg**

**POXYPASTE - S104**

**FAST CURE WEARING COMPOUND (40 Minutes)**

<b>Physical Properties</b>	<b>Typical Values</b>
Impact Resistance	15 J
Density	1.94 g/cm <sup>3</sup>
Heat Deflection	150°C to 180°C
Wear Resistance	0.04 mm/min
Coefficient of Friction	0.57

**Curing**

Gel Time	30 min at 25°C
Working Time	20 min at 25°C
Curing Time	1 Hrs. at 25°C

**Acid Resistance at Room Temperatures**

<b>Chemical</b>	<b>% Weight Loss</b>	<b>Duration</b>
Sodium Hydroxide	<0.5%	7 days
Sulphuric Acid	<0.5%	7 days
Hydrochloric Acid	<0.5%	7 days
Phosphoric Acid	<0.5%	7 days

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## POXPASTE - S105

## PIPE LINING EPOXY CERAMIC

### DESCRIPTION

POXPASTE - S105 is a **100%** solids modified epoxy resin system primarily formulated for pipe lining applications.



### APPLICATION

POXPASTE - S105 is a flowable epoxy ceramic specially designed to be applied in slurry lines etc. from a thickness of **6mm** upwards, depending upon the application.

**Sizes:** from **500mm to 9m** lengths and/or 150 diameters to 1 diameter.

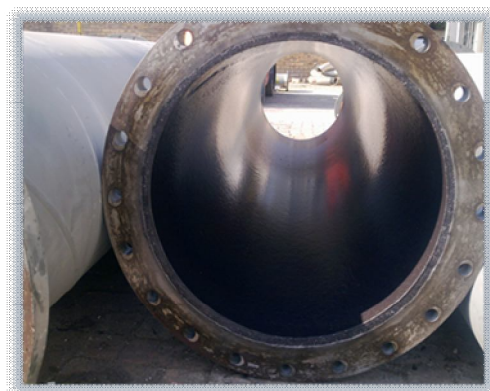
### SURFACE PREPARATION

A properly prepared surface is important to the end result and lasting durability of POXPASTE - S105. Steel surfaces should be dry grit blasted to **SA 2.5** with blast profile between **50-70 microns** to leave the surface free of oil and grease contamination. In cold conditions it is recommended to warm the substrate to **30-35°C**.

### TYPICAL APPLICATION

Lining of:

- o pipe lines
- o slurry lines





**POXPASTE - S105**

**PIPE LINING EPOXY CERAMIC**

Physical Properties	Typical Values
Impact Resistance	5.3 J
Density	1.68 g/cm <sup>3</sup>
Heat Deflection	150°C to 180°C
Wear Resistance	0.09 mm/min
Coefficient of Friction	0.51

**Curing**

Gel Time	45 min at 25°C
Working Time	30 min at 25°C
Curing Time	4 Hrs. at 25°C

**Acid Resistance at Room Temperatures**

Chemical	% Weight Loss	Duration
Sodium Hydroxide	<0.5%	7 days
Sulphuric Acid	<0.5%	7 days
Hydrochloric Acid	<0.5%	7 days
Phosphoric Acid	<0.5%	7 days

**For any Technical advice regarding the above, please do not hesitate in contacting our Technical Department.**

**WARNING**

When using epoxy resin systems, care should be taken to avoid contact with skin, eyes and clothing. Use gloves and eye protection when handling. Do not inhale vapour. Ensure there is sufficient ventilation throughout the work area.

## POXYBACK – H302 HEAVY DUTY CRUSHER BACKING MATERIAL

### FOR LARGE CONE CRUSHERS AND GYRATORY CRUSHERS

#### *DESCRIPTION*

POXYBACK - H302 is a **100%** solids modified epoxy compound for backing wear plates in cone and gyratory crushers offering extreme heavy duty crushing, maximum protection, positive support of wear lines and high volumetric stability.

POXYBACK - H302 is supplied in safe and convenient kit form for easy mixing and application.



#### *PREPARATION*

Seal all crevices with putty or other suitable material to prevent backing material from leaking out.

#### *MIXING*

The resin and hardener must be thoroughly mixed together before application by using a slow speed drill. Mixing continues until uniform colour is obtained (**3-5** minutes). With ambient temperature at **25°C** a full kit must be poured into place within **15–20** minutes.

*KIT SIZE: 10kg and 20kg*

**For any Technical advice regarding the above, please do not hesitate in contacting our Technical Department.**

#### WARNING

When using epoxy resin systems, care should be taken to avoid contact with skin, eyes and clothing. Use gloves and eye protection when handling. Do not inhale vapour. Ensure there is sufficient ventilation throughout the work area.

## POXYBACK – S301 CRUSHER BACKING MATERIAL

### FOR LARGE, MEDIUM & SMALL CONE CRUSHERS AND GYRATORY CRUSHERS

#### **DESCRIPTION**

POXYBACK - S301 is a **100%** solids modified epoxy resin backing material, especially formulated for the use in all type of cone crushers, grinding mills, primary, gyratory crushers and any other heavy machinery that requires backing material.

POXYBACK - S301 is a non-flammable material and requires no special mixing or melting equipment.



#### **PREPARATION**

Seal all crevices with putty or other suitable material to prevent backing material from leaking out.

#### **MIXING**

The resin and hardener must be thoroughly mixed together before application by using a slow speed drill. Mixing continues until uniform colour is obtained. With ambient temperature at **25°C** a full kit must be poured into place directly after mixing.

**KIT SIZE: 10kg and 20kg**

**POXYBACK – S301**

**CRUSHER BACKING MATERIAL**

Physical Properties	Typical Values
Impact Resistance	26 J
Density	2.1 g/cm <sup>3</sup>
Heat Resistance	150°C to 180°C
Wear Resistance	1,81 mm/min

**Curing**

Gel Time	45 min at 25°C
Working Time	30 min at 25°C
Curing Time	4 Hrs. at 25°C

**Acid Resistance at Room Temperatures**

Chemical	% Weight Loss	Duration
Sodium Hydroxide	<0.5%	7 days
Sulphuric Acid	<0.5%	7 days
Hydrochloric Acid	<0.5%	7 days
Phosphoric Acid	<0.5%	7 days

**For any Technical advice regarding the above, please do not hesitate in contacting our Technical Department.**

***WARNING***

When using epoxy resin systems, care should be taken to avoid contact with skin, eyes and clothing. Use gloves and eye protection when handling. Do not inhale vapour. Ensure there is sufficient ventilation throughout the work area.

## TILE ADHESIVE

### **DESCRIPTION**

**TILE ADHESIVE** is a **100%** solids modified epoxy resin system formulated for the application of Alumina Ceramic Tiles.

### **APPLICATION**

**TILE ADHESIVE** is applied to the prepared surface with a trowel or by hand wearing Surgical Gloves for Protection. Mix until one colour is visible.



### **TYPICAL APPLICATION**

Applying Alumina Ceramic tiles to:

- Steel Surface
- Pipe
- Chutes
- Cyclones etc.



**KIT SIZE: 1kg, 3kg and 6kg**

**For any Technical advice regarding the above, please do not hesitate in contacting our Technical Department.**

### **WARNING**

When using epoxy resin systems, care should be taken to avoid contact with skin, eyes and clothing. Use gloves and eye protection when handling. Do not inhale vapour. Ensure there is sufficient ventilation throughout the work area.