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**TWIN PACK EPOXY COMPOSITE**



**1 Product Description**

Crusher Back is a burgundy colored twin pack epoxy composite. It is a paste (part A) and liquid (Part B) which becomes pourable when mixed. It contains a propriety blend of quartz and metal-silicates, mixed with modified epoxy resins and hardeners. It hardens exothermically over time to form a hard lining, for industrial crushers and mills where impact resistance and even wear is required. (Patent pending)

**2 Suitable for Application Inside**

Primary and secondary crushers as well as gyrator and cone crushers and mills.

**3 Physical & Chemical Properties (Typical values)**

**Density:** 1.8 Kg / liter

**Gel time:** 30 to 40 minutes at 25°C

**Hardening time:** 4 to 7 hours

**Compressive strength:** >100 Mpa

**Adhesion (pull):** > 30 Mpa

**Impact resistance:** > 15 J

**Temperature resistance:** 150°C maximum

**Coëfficient of friction:** 0,3

**Specific heat:** 1000 J/kg°C

**Shrinkage:** Low

**Fuming:** Minimal

**Flexibility:** Medium

**4 Typical Component**

**Benefits:**

Good impact resistance, superior bonding, low peak exotherm, BPA and urethane free. flame retarded, pourable, even curing.

## 5 Directions for Use

### Preparation:

Sand blast metal with a medium fine shot . Areas must be free from oil, grease and dirt.

### Conditions:

The surface must be dry. Temperature of the substrate must be minimum of 15°C.

### Application:

Mix the two parts in the ratio, 17,56 parts resin to 2,44 parts hardener by weight, using a helical coil mixer attached to a variable speed drill until even. Pour the thick liquid into the suitably prepared cavity. Areas where the backing should not stick to should be covered with a non stick liquid. Allow to cure taking into consideration that low temperatures slows down curing. Below 15°C curing will be extremely slow.

Batches can be mixed and added on top of each other as the new epoxy will stick to the cured epoxy or semi-cured epoxy.

## 6 Health Safety and Environment:

- Do not ingest.
- Work in a well ventilated space avoiding inhalation of fumes.
- When contact is made with the skin, wash with soap and copious amounts of water.
- Store away from strong acids and oxidizing agents.
- Do not expose to open flames.
- Do not dispose of uncured epoxy resin or hardener.
- Cured epoxy can be disposed of in normal landfills.

## 7 Packaging:

### 20 kg kits consisting of

17,56kg resin paste mix and 2,44 kg hardener liquid mix, in two polyethylene containers.

## SAMPLE OF PRODUCT

