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TWIN PACK EPOXY COMPOSITE



1 Product Description

Quick Bond is a burgundy colored twin pack epoxy composite. It is a paste (part A) and liquid (Part B) which becomes a thick liquid when mixed. It contains a propriety blend of metal-silicates, mixed with modified epoxy resins and hardeners. It hardens exothermically over time to form a hard glue, for gators and tiles where impact resistance and adhesion is required. (Patented)

2 Suitable for Application on

Gator teeth, tiles, tungsten to steel, ceramic to ceramic and ceramic to metal.

3 Physical & Chemical Properties (Typical values)

Density: 1.6 Kg / liter
Gel time: 15 to 20 minutes at 25°C
Hardening time: 1 to 2 hours, maximum strength 7 days
Compressive strength: >100 Mpa
Adhesion (pull): > 30 Mpa
Impact resistance: > 15 J
Temperature resistance: 150°C maximum
Corrosive wear resistance: 5000 h
Coëfficient of friction: NA
Specific heat: 1000 J/kg°C
Coverage: 6 sqm at 0,1mm thickness per litre
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, 88,6 parts resin to 11,4 parts hardener by weight, until even. Pour the thick liquid into the suitably prepared cavity. Areas where the adhesive 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:

500 g kits consisting of 0,443 kg resin paste mix and 0,057 kg hardener liquid mix, in two polyethylene containers

SAMPLE OF PRODUCT

