Val-Epoxy 650

Description:

• VAL-EPOXY 650 is pre-filled medium viscosity and solvent free, two components product based on modified epoxy resin with an appropriate hardening system.

• Complies with ASTM C 881, BS EN 12004, ES 4118.

Fields of Use:

• VAL-EPOXY 650 is an adhesive mortar for steel to concrete and concrete to concrete.

• Anchorage of bolts and steel bars with concrete under water .

• Grouting under machine plates and steel structures.

• To fill cracks and cavities in concrete elements.

• To fill the joints between anti-acid tiles.

Advantages:

• Shrinkage free.

• High mechanical strengths.

• Good chemical resistance.

• Good adhering to concrete and steel.

Technical Data : (at 25° C)

Colour: Grey

Soild content: 100 %

Density: 1.95 ± 0.02 kg/l

Mixing ratio A:B (by weight): 12 : 1

Pot life: 2 hours

Initial setting time: 8 hours

Final setting time: after 24 hours (for light weight).

Full hardness: after 7 days

Min. application temp: 15°C

Compressive strength (ASTM D 695): >800 kg/cm2

Flexural strength (ASTM D 790): >400kg/cm2

Adhesive strength on concrete (ASTM C 882): 103 kg/cm2

Rate of use: 2 kg/m2/mm

Chemical Resistance:

Sulphuric acid: 50%

Hydrochloric acid: 25%

Phosphoric acid: 50%

Nitric acid: 20%

Acetic acid: 20%

Sodium hydroxide: 50%

Potassium hydroxide: 50%

Directions for Use:

• Areas must be clean and free of dust, dirt and other impurities, and if necessary they should be flamed or sandblasted.

• After thoroughly mixing both components of VAL-EPOXY 650 adhesive, mortars is processed by casting in holes and other areas to be glued .

• For filling joints of anti acid tiles, material should be put immediately after mixing in joint gun and fill the joint with width not less than 5 mm and all over the depth of the tiles then smooth surface.

• Clean tools by thinner.

* N.B: In case of working under water surface we can submerge the container contains the mixture A+B under surface of water and the work is done by trained diver .

Storage:

• 2 years under suitable storage conditions in closed containers.

Safety Precautions:

• Application should be carried out in well ventilated place.

• Gloves, protective clothing and eye goggles should be worn during application.

• Skin contaminations should be immediately cleaned with soap and plenty of water. Don't use solvent.

• If the material is splashed into the eyes, they should be immediately washed with water and then report to

an eye specialist.

• Do not eat or smoke during application.