



METOSET EP

Product description

Metoset EP is a resin and hardener stored in two separate containers, which when mixed as a complete unit, react to create an extremely high strength, high viscosity, pourable resin system. Provides high performance in compressive strength and tensile strength against anchoring of steel bars.

Advantages / Benefits

Benefits - The benefits of Metset EP include:

Longer working times, ready to use, single unit packaging, easy to mix and easy to apply, non shrink epoxy formula, high levels of chemical resistance, excellent structural characteristics, once hardened is a stronger surface than cured concrete, very high surface abrasion resistance. Cures down to 5°C. Mixed by hand in full units, extremely economical.

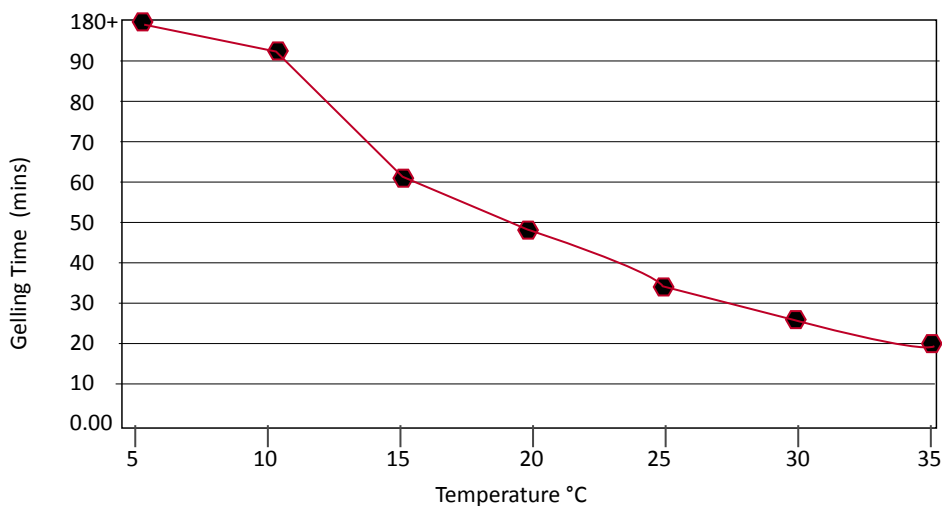
Uses - As a structural compound for:

Refurbishment and restructuring of concrete, and also for fixings of steel elements in concrete. Of particular use with rebar fixings, and steel studs for very high fixing loads. Same-day repairs to areas of broken concrete including steps, ramps, walkways and corridors, and all other high traffic areas. Is also used for bedding-in and large crack/gap filling. Often applied solely as a protective surface for areas of high chemical concentration, or for porous areas to increase resistance.

Example - Fixing of : Steel constructions, Paved slabs, Bolting of machinery, Wooden stantions in concrete, Metal bolts to metal components, Adhesion of metal surfaces, Fixing of rebar, Reconstruction works.

GellingTime

Gelling Time vs Temperature



Maximum performance is achieved after 24 hours curing.

Product Data

Mixed Viscosity - 25,000pcs @ 20°C
Mixed Density - 1.65 kg/litre @ 20°C

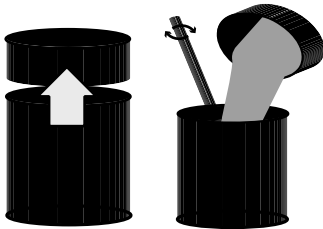
Compressive Strength 24 Hours @ +20°C - 84.00 N/mm² - Tested to EN ISO 604 / ASTM 695
Flexural Strength 24 Hours @ +20°C - 43.32 M/pa - Tested to EN ISO 178 / ASTM 795
Tensile Strength 24 Hours @ +20°C - 24.54 N/mm² - Tested to EN ISO 527 / ASTM 638
Flexural Modulus 24 Hours @ +20°C - 4310 M/pa - Tested to EN ISO 178 / ASTM 795
E-Modulus 24 Hours @ +20°C - 29928 N/mm² - Tested to EN ISO 527 / ASTM 638
Pull-out Strength 101.3kN -- 12mm Steel Bar - 14mm Fixing hole - 110mm Embedment Depth.

Standards

Approval /
Standards

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies. The EN prefix relates to "European Norms" as prescribed by the European Committee for Standardization.

Instructions



Stir until both contents are easily mixed
Apply fully within the gelling time. Mix only full units.

Shelf Life - 24 Months

Storage: between +5°C and +25°C. Avoid direct sunlight

IMPORTANT: The information and data given is based on our own experience, research and testing and is believed to be reliable and accurate. However, as Chemfix Products cannot know the varied uses to which its products may be applied, or the methods of application used, no warranty as to the fitness or suitability of its products is given or implied. It is the users responsibility to determine suitability of use. For further information please contact our Technical Department. * The guarantee is afforded when Metoseal is applied by an approved installer.