



FLS

Product datasheet

FLS WEAR MAX® epoxy ceramic coating

When your situation demands a quick, hard-wearing solution, you can depend on our epoxy ceramic coating.

Protect your equipment

Fabricated from a proprietary mixture of epoxy and wear resistant ceramic beads, WEAR MAX® combines the hard-wearing properties of ceramic with bonding properties of epoxy cost-effectively. WEAR MAX is proven to reduce abrasion wear problems commonly occurring in bulk handling and processing equipment.

WEAR MAX can be applied to any surface where sliding abrasion causes wear on pipes, chutes, silos, tanks, casings and many other equipment. It adheres effectively to most clean and dry surfaces including metal, ceramic, rubber and concrete. Its fast cure rate results in a quick turnaround time, increased uptime for repairs and overall cost savings.

WEAR MAX is supplied in conveniently sized packs, complete with all necessary mixing equipment. It may be your site's handiest toolkit.

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Increase uptime and productivity

WEAR MAX® packing

Our WEAR MAX® comes in a twin kit pack containing two 7 kg (15 lb) buckets of WEAR MAX Part A bead/resin mixture and two graduated plastic bottles each containing 250 mL (8.5 oz) of the Part B liquid hardener. The kit is complete with two pairs of nitrile gloves, a mixing board and spatula so you are ready for on-site mixing and application.

WEAR MAX® working time and cure time

FLS WEAR MAX® has a working time (pot life) of approximately 15 minutes after being thoroughly mixed and is hard cured in four hours. It reaches its maximum hardness after curing for 24 hours, based on an ambient temperature of 23°C (73°F).

The Part B liquid hardener is graduated into quarters so that if only a part of the kit is to be used, it is easy to measure the correct ratio of Part A and Part B.

Typical cured property

Working time	15 minutes
Hard cure time	4 hours
Maximum hardness time	24 hours at 23°C (73°F)
Maximum operation temperature	70°C (158°F)
Density	2.1 kg/l (17.5 lb/gal.)
Compression strength	70 MPa
Tensile strength	10 MPa
Flexural strength	15 MPa
Coverage 7kg @ 12 mm thickness	0.275 m2 (2.9 sq. ft.)
Shelf life (unopened)	3 years



Applying WEAR MAX to centrifuge housing

Common applications

- Chutes and surfaces worn by sliding abrasion
- Pipes, elbows, T-junctions and launders worn by abrasive slurries
- Chutes where moderate impact is present
- Paste backfill applications
- Any surface where sliding abrasion causes wear on: centrifuges, screen bowels, vibrating screens, thickeners, tanks, silos, chutes and pipes