

PRODUCT FAMILY

Epoxies & Protective
Coatings

MCT

MC-Epo Paint Flex

Flexible epoxy coating for industrial uses

A high-build, two-component flexible protective coating based on phenol novolac, with strong adhesion to concrete, metal, masonry and wood.

Coverage	Pot life @ 25°C	Specific gravity @ 25°C	Mixing ratio
200 g/m ² (100 μ)	75 min	1.6 + 0.05 g/cm ³	5:1 by weight

Description

MC-Epo Paint Flex is a high-build, two-component flexible protective coating based on phenol novolac. The source describes it as non-toxic and states that it provides excellent adhesion to concrete, metal, masonry, wood and similar substrates.

Where to use

The source approves MC-Epo Paint Flex for use in contact with potable-water tanks, foodstuff applications and oil-collecting tanks. It is designed to withstand chemicals, weathering, abrasion and humidity.

MCT TECHNICAL DATA

MC-Epo Paint Flex

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Technical data - 1

Colour	Grey; wide range of colours available on request
Specific gravity @ 25°C	1.6 + 0.05 g/cm ³
Pot life @ 25°C	75 min
Mixing ratio by weight	5:1 - base : curing agent
Minimum application temperature	5°C
Dust-free time	2-3 hours
Overcoating	24 hours

Advantages

- Waterproof and resistant to abrasion.
- Seals hairline cracks.
- Resistant to diesel, petrol, mild acids and numerous solvents.
- Used as a protective coat against chemical attack.
- Once cured, the source states it does not crack under hydrostatic pressure.
- Resistant to the damaging action of many corrosive fumes that attack unprotected concrete or metal surfaces.

MCT TECHNICAL DATA

MC-Epo Paint Flex

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Technical data - 2

Solids by volume	75 + 2%
Full curing	Approx. 7 days
Coverage	200 g/m ² (100 µ)
Shelf life	12 months
Tensile strength	3 MPa
Hardness, Shore A	70 + 5
Abrasion resistance	100 mg (500 g load / 500 cycles)

Surface preparation

The surface must be dry. Metallic surfaces should be sand-blasted. Concrete must be free of deteriorated cement, grease, oil and dust.

MCT TECHNICAL DATA

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Mixing and thinning

Pour the curing component into the oversized container of the base component using the specified mixing ratio, then stir thoroughly for at least 4-5 minutes until a homogeneous mixture is obtained. MC-Epo Paint Flex can be thinned with 5-10% of the appropriate MC-Thinner 02.

Application and cleaning

Apply by brush, roller or spray. Clean tools and equipment with MC-Thinner 02.

Safety precautions

- Prevent material from entering the eyes.
- Avoid skin contact.
- Provide adequate ventilation.
- Keep solvent-containing material away from sparks and flame.

Storage / shelf life

Shelf life: 12 months.

