

MFC Ekopox 640

Paint Material

[Light Operation]

PRODUCT DESCRIPTION

MFC Ekopox 640 is a two-component paint material, without solvents, consisting of component A, water dispersion of epoxy resin containing additives, pigments, and fillers, and component B, polyamine hardener. It is thinned by adding water. It is supplied in a white, grey, ochre, and red-brown colour, while further tints can be prepared upon customer's requirements.

USE

MFC Ekopox 640 is designed for final surface treatment of concrete surfaces, e.g. garages, warehouses, supermarkets, stairways, cellars, etc. It is suitable for final surface treatment using MFC Level 300 and Final 400 self-levelling squeegees and also for treatment of uninsulated backgrounds.

PRODUCT PROPERTIES

Mixing ratio of the composition

MFC Ekopox 640	Component A	Component B
Weight parts	100	15

Technical parameters of components

Flow time – component A (cup 6/23 °C)	Max. 35 s
Viscosity (Brookfield) – component B	950 – 1350 mPa.s

Technical parameters of the hardened coat

Soaking capacity (according to CSN EN 1062-3)	Max. 0,1 kg.m ⁻² .h ^{-0,5}
Passage of water vapours (according to CSN EN ISO 7783-2)	Class II
Adhesion to background	Min. 1.5 MPa
*Resistance to abrasion (100 cycles, 0.5 kg weight, paper no. 180)	Max. 250 mg
Anti-skidding properties	Compliant
Contents of volatile substances (VOC)	Compliant
Resistance to chemical substances (according to CSN EN ISO 2812-1)	Petrol, diesel, oil min. 24 hours

* Informative value

The workability time of the composition at 20 °C min. is 90 minutes.

BACKGROUND PREPARATION

The surface must be clean, sufficiently consistent, rid of dust and grease that can decrease adhesion. MFC Ekopox 640 is applied especially on concrete surfaces (min. 7 days old, background humidity max. 10 %), asphalt-concrete, asphalt (only after consulting). It is generally possible to apply the paint on MFC self-levelling squeegees MFC in two or more layers already 24 hours after laying.

BACKGROUND PENETRATION

It is recommended to penetrate the background using the water solution of MFC Ekopox 660. MFC Ekopox 660 component A 100 weight parts is mixed with 25 weight parts of MFC Ekopox 660 component B. Subsequently, add up to 120 % of weight parts of water according to the background soaking capacity as needed. The penetrating material prepared like this is best applied using a roller or a brush. The hardened penetration must be soaked into the background without pools on the surface.

MIXING AND APPLICATION

The painting with MFC Ekopox 640 is performed at least 24 hours after performing the penetration in one or two layers (between individual coats, there is a technological pause of 24 hours). Before the actual processing, MFC Ekopox 640, component A is mixed in the entire contents so that the filler is well dispersed from the bottom. Then add the corresponding amount of the hardener (component B) while constantly mixing. Mixing of reactive components takes about 2 – 3 minutes, the mixture consistence is adjusted by adding 10 – 20 weight % of water, as needed. Spreading of MFC Ekopox 640 is best performed using a roller, the consumption with one coat is about 0.2 kg/sq. m of the composition. The second coat is not thinned.

The optimum temperature for performance is 20 °C, the background temperature should not drop below 15 °C. Upon adhering to the aforementioned conditions, the hardened MFC Ekopox 640 is walkable in 24 hours, full load is recommended after 72 hours.

PACKAGING

MFC Ekopox 640 is supplied in 10 and 30 litre buckets. The weight of the fill allows for mixing with the prescribed amount of hardened directly in the transport packaging.

STORAGE

Store in closed packaging, in covered dry warehouses at a temperature of +5 °C to +25 °C, separately from the hardeners.

WARRANTY PERIOD

The warranty period is 6 months from the date of production. The production date is marked on the packaging. The producer guarantees the declared properties and parameters of the product when adhering to the prescribed technological procedures, however the producer does not provide any further guarantees concerning its inappropriate processing and use.

WARNING

Detailed data concerning safe handling and health protection are stated in the product safety data sheet.

