MFC Ekopox 630

Surface Impregnation

PRODUCT DESCRIPTION

MFC Ekopox 630 is two-component impregnation matter, without solvents, consisting of component A, water dispersion of epoxy resin containing additives and fillers, and component B, polyamine hardener. It is thinned by adding water.

USE

MFC Ekopox 630 is designed for impregnation of especially concrete surfaces, e.g. garages, warehouses, supermarkets, stairways, cellars, etc. It is suitable as the final surface treatment for self-levelling squeegees MFC Final 400. It creates a thin highly resistant film on the surface that decreases the natural soaking capacity and strengthens the surface. It resists water and detergent solutions.

PRODUCT PROPERTIES

Mixing ratio of the composition

MFC Ekopox 630	Component A	Component B
Weight parts	100	25

Technical parameters of components

Contents of non-volatile substances – component A	Min. 50 %
Flow time – component A (cup 4/23 °C)	50 – 150 s
Viscosity (Brookfield) – component B	950 – 1350 mPa.s

Technical parameters of the hardened film

Soaking capacity (according to CSN EN 1062-3)	Max. 0,15 $kg.m^{-2}.h^{-0,5}$
Passage of water vapours (according to CSN EN ISO 7783-2)	Class I (permeable for water vapour)
Contents of volatile substances (VOC)	Compliant
Appearance	Smooth, transparent

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. Background humidity must not exceed 10 %. Newly laid areas of materials MFC Final 400 can be generally treated already 24 hrs after laying.

MIXING

Before the actual processing, 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. Subsequently, add up to 120 % of weight parts of water, as needed. The impregnating material prepared like this can be applied for about 15 min. after mixing all components.

APPLICATION

MFC Ekopox 630 is applied according to the background soaking capacity in one or two layers (there is a technological pause of 24 hours between individual coats). The coat has a colour of a white dispersion after mixing with water, which clarifies and soaks into the background after 30 minutes. Application is best performed using a rubber squeegee and a roller. Consumption with one coat is about 0.1 – 0.15 kg/sq. m of the thinned composition.

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 630 is walkable in 24 hours, full load is recommended after 72 hours.

CLEANING

Properly wash all used tools with water.

PACKAGING

MFC Ekopox 630 is supplied in 10 and 30 litre buckets. The weight of the fill allows for mixing with the prescribed amount of hardener and the addition of water 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.

MFC MORFICO creator of construction materials

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