MFC Cobet 115

Spreading mixture for industrial floors (metalik)

PRODUCT DESCRIPTION

MFC Cobet 115 is a spreading mixture containing cement, filler, abrasive and special additives. It is delivered as a ready-mixed dry mixture for direct use by the "dry into wet" system.

USE

MFC Cobet 115 is used for the surface treatment of fresh concrete floors for medium-heavy operation in civil and industrial premises. It improves the process and resistance of the surface of concrete floors.

TECHNICAL PARAMETERS

Recommended thickness of the layer	2–3 mm
Time of hardening	24 hours
Time of maturing	28 days
Light loading	after approximately 7 days
Bulk density of the mixture	1 630 kg.m^3
Pressure strength after 28 days	min. 75 MPa
Extension strength during bending after 28 days	min. 10 MPa
Resistant to abrasion Böhme (ČSN EN 13892-3)	max. 4,0 cm^3
Resistant to abrasion BCA (ČSN EN 13892-4)	max. 0,05 mm (AR 0,5)
Specific change of length	max. – 0,09 %
Anti-skid properties	acceptable
Max. diameter of grains of the filler	4 mm

– parameters of material in an environment with 23 °C and 50 % relative air moisture
– pressure strength and extension strength during bending after 7 days achieve min. 60 % of values 28-day

BASE

The load-bearing slab must be produced in accordance with ČSN EN, made of a high quality concrete mixture (minimum class of C20/25) and placed and compacted according to levelling requirements.

APPLICATION

Fresh surface (wet, after 3–5 hours) should be proportionally covered in two layers of 3–5 kg/m2 of dry spreading mixture, either manually or mechanically using a spreading truck. The levelling of the surface should be performed manually using steel smoothers or by machine with the use of rotary smoothers, depending on the gradual hardening of the concrete. The required temperature of the base and environment during the application is stated to be within the range +5 to +20 °C.

TREATMENT

The finished surface must be equipped within 24 hours with expansion cuts and suitable protection to ensure proportional maturing and hardening of the concrete. Standard neutral or alkali detergents can be used for cleaning.

COLOURING

The basic colour of the spreading mixture is grey. On the basis of specification by the client, it is possible to paint the mixture in the required shade.

SURFACE

MFC Cobet 115 has properties comparable to compacted concrete. The resistance of the floor surface is proportional to the manner of loading by the operation. In the case of increased requirements, additional surface treatment is necessary.

QUALITY

MFC Cobet 115 is continually checked during production using laboratory tests. The basic precondition for successful application is to follow the required technological procedures (see the Application Manual).

SRORAGE

The material is packed into 25 kg paper bags and is stored on wooden pallets (containing 40 bags). It is to be stored in a suitable environment; it must not be exposed to moisture or extremely low or high temperatures.

WARRANTY

The warranty period is 6 months from the date of production. The date of production is indicated on the package. The producer guarantees by declaration properties and parameters of the product while required technological procedures and storage conditions are kept. The producer does not provide any other guarantees pursuant to improper processing and the use.

ATTENTION

The product contains cement. Cement reacts with water in an alkaline manner. Protect your eyes and prevent contact with skin. During handling of the dry mixture there is risk of inhalation of dust particles, therefore, we recommend use of a protective respirator. In the case of contact of product with the eyes, rinse your eyes with water and consult your doctor. Keep away from children.

METALIK

Artificial filler originated by melting in aluminothermic processes of aluminium metal. Characterized by high hardness (level 8.4 according to Mohse) and excellent resistance to abrasion.

Mohse level of hardness

1	2	3	4	5	6	7	8	9	10

MASTEK   METALIK   DIAMANT