

## PRODUCT DATA SHEET

# Sikafloor® MetalTop-200

(formerly MTop 200)

### Iron Aggregate Concrete Surface Hardener

#### DESCRIPTION

Sikafloor® MetalTop-200 is a premixed, ready to use powder, designed for application as a dry shake over a freshly floated concrete floor or floor screed to obtain a highly abrasion resistant iron armoured monolithic topping.

The product contains specially processed iron aggregate admixtures that can be finished to a wide range of surface textures - from smooth to non-slip.

#### USES

Sikafloor® MetalTop-200 is recommended for treating floor areas subject to heavy traffic and high abrasion where frequent maintenance is not economically feasible and where surface dusting could be a problem.

Applications include

- Floors of industrial and commercial buildings subject to heavy duty traffic by fork lifts subject to heavy duty traffic by fork lifts, solid wheeled vehicles, etc.
- Industrial floors subject to impact such as fabrication shops and mechanical engineering workshops.
- Floors of precision machining areas such as grinding, lapping and other surface finishing operations.
- Parking areas and loading platforms.
- Sikafloor® MetalTop-200 is not recommended for areas exposed to chemicals that attack cement.

#### PRODUCT INFORMATION

<b>Packaging</b>	25 kg paper bags.
<b>Shelf life</b>	6 months from date of manufacture
<b>Storage conditions</b>	Stored in tightly sealed original packaging in a dry and enclosed place, between 5°C-30°C.
<b>Appearance and colour</b>	Powder/Natural

## SYSTEM INFORMATION

<b>System structure</b>	Substrate	Fresh concrete slab (See substrate quality below)
	Dry shake	Manual or machine application of Sikafloor® MetalTop-200 Levelling of surface by means of power trowel or laser screed. Final smoothing with power trowel.
	Curing compound	Sikafloor® series products

Use products mentioned above as indicated in their respective Product Data Sheets.

## APPLICATION INFORMATION

<b>Consumption</b>	The rate of application will depend on the service conditions to which the floor will be exposed. The recommended rates of application are as below Heavy duty: 5-12kg/m <sup>2</sup> .
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## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS OF USE

- Do not use concrete where some cement has been replaced by fly ash, as this makes the mix sticky and less workable.
- Variations in concrete characteristics such as water content and cement quality may lead to slight colour variations.
- Dry shake hardeners give a finish to concrete with some colour variation across the floor due to the natural variability of the concrete onto which they are applied.
- To ensure optimum colour consistency, it is essential that the floor laying operation is as clean and protected from the environment as possible.
- Colour variation during the drying out period is normal for this system and is to be expected.
- Every effort must be made to ensure an even application of Sikafloor® MetalTop-200. Correct timing and trowelling techniques are essential.
- At low relative humidity (below 40 %), efflorescence can appear on the surface.

## FURTHER DOCUMENTATION

Barricade the area after the application of curing compound and immediately after it dries, cover the surface to protect it from staining, discoloration or physical damage.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

Concrete application  
Concrete used for single-storey monolithic floors should achieve a compressive strength of 30MPa in 28 days, a slump of approximately 80mm, and a gas content of less than 3%. Concrete should not contain calcium chloride

### APPLICATION

Sikafloor® MetalTop-200 can be spread on new concrete.

### CURING TREATMENT

Start curing immediately after final finishing using appropriate curing method.

## MAINTENANCE INSTRUCTIONS

### CLEANING

Clean the tools and equipment with water before the paste sticking to them hardens.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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