

FORTE® vyrovnávací hmota

Serial Number 0916

leveling compound for silicate materials, suitable for interior and exterior

Features:

FORTE vyrovnávací hmota (FORTE leveling compound) is made of cement, graded silica sand and refining additives. It has very good adhesion to silicate surfaces and minimal shrinkage. It is intended to compensate for horizontal and vertical surfaces of silicate materials in a consistent thickness of one layer from 2 to 30 mm, creating a gradient of interlayers and thin screens indoors and outdoors. It allows for the creation of V-transitions. It does not have self-leveling properties. According to ČSN EN 13813, **FORTE vyrovnávací hmota** is a cementitious screed material for use in buildings CT-C25-F6-B2,0, according to ČSN EN 998-1 it is a common mortar for external and internal plastering of GP class CS III W2.

Usage:

FORTE vyrovnávací hmota is designed for patching and leveling of floors, balconies and waterproofing materials **FORTISOL**, **FORTISOL 1K**, preparing concrete floors before installing the surface layer, patching and leveling vertical surfaces. After thorough priming, **FORTE vyrovnávací hmota** can also be used for anhydrite substrates. **FORTE vyrovnávací hmota** is not suitable for bituminous materials, wood, plastics and metals.

Technical data:

Mixing ratio with water (wt. parts)	100 parts powder : 16 parts water (25 kg powder : 4 kg water)
Mixing time	3 minutes (mixer 500 rpm/min.)
Processing time (20 °C, 65 % rel. humidity)	min. 60 minutes
Processing temperature	5 °C to 25 °C
Bulk density	1925 ± 100 kg/m ³
Walkable (20 °C)	12–24 hours
Application of the next layer	after min. 24 hours
Temperature resistance	-30 °C to +70 °C
Frost resistance	min. 15 cycles
Surface adhesion (after 28 days, 20 °C, 55 % rel. humidity)	2,0 MPa (concrete)
Tensile strength (after 28 days, 20 °C, 55 % rel. humidity)	6 MPa
Compressive strength (after 28 days, 20 °C, 55 % rel. humidity)	25 MPa

Shade:

grey (in raw material colour)

Consumption:

about 18 kg of dry mix / 1m² / 1 cm thick layer

Packaging:

25 kg paper bags with PE liner

Storage:

When stored in a dry environment in original undamaged containers on a pallet or wooden grating material, it can be stored for 12 months from the date of manufacture (indicated on the packaging).

Surface preparation:

The surface for **FORTE vyrovnávací hmota** must be stable, coherent, free of dirt, grease and loose particles, naturally dry or moist. The surface must be primed with **FORTE penetral**. New uncured cement-based substrates must not be primed. These substrates must be dampened with water. Anhydrite substrates require a thorough double priming.

Application:

FORTE vyrovnávací hmota compound is prepared by mixing of the dry mixture with clean cold water in ratio of about 0,16 kg of water per 1 kg of dry mixture (i.e. 4 liters of water per 25 kg bag) and stirring (e.g. electric drill with a mixing speed up to 500/min) for 3 minutes. The prescribed amount of water needs to be followed. Larger quantities of water are not desirable! When mixing, it is necessary to ensure that the mixture is free of air (tumbler under water mass in the container). The mixed material should stand still for approx. 5 minutes and be mixed briefly again. The mixed material is applied on the prepared surface so that the best possible contact is achieved (pushing, spreading), excess tears are repaired and leveling of the surface material is properly completed. Expansion joints must be respected. The surface can be smooth or rough. The coating must be done in 12 hours and rapid drying, rain and frost must be avoided. After 24 hours, the walking surface can be glued with tiles, or other finishes or other layers can be applied. The compound can be processed at a temperature of the substrate and the environment between 5 °C to 25 °C. This temperature is necessary to be stable for at least 48 hours from processing of materials. Pot prepared mass is workable for about 60 minutes at 20 °C. **FORTE vyrovnávací hmota**, which already shows signs of cooling, should not be used! Used equipment should be washed with water after the work is finished.

Waste disposal:

Described on safety data sheet of the product.

Safety and hygiene at work:

According to the law, the product is classified as health hazard. Causes serious eye damage. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Avoid breathing dust. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and possible. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Dispose of contents/container in accordance with the relevant national legislation. Other details are on the Safety data sheet of the product.