

ALFAFORM SCA (white)

Technological instructions no.: 42-1

Safety sheet no.:

42

Composition:

cement, fine-grain fillers and alloying constituents (Do not contain lime nor air-hardened binding substances.)

General description:

ALFAFORM SCA is dry mortar mixture. It is levelling backfilling material designed for levelling of local irregularities (up to 3 mm) of wall construction renders in interior and exterior of the building. (It is not designed for covering of active cracks bigger than 0,1 mm.)

Merits:

evens local irregularities up to 3 mm in exterior and interior, it is supplied in white variant

Unit of measure:

kg

Consumption per m2:

1,65 kg/m² and 1 mm of thickness. The consumption is influenced by flatness of the base, skill of the staff and conditions, namely temperature.

Spreading capacity:

15,2 m² per 1 mm of thickness / bag (25 kg)

Grain size:

not mentioned

Packing:

The product is packed in 25 kg laminated paper bags

Customs code:

3214900000

Colour scheme:

white tint

Thinning:

The working consistency of the ALFAFORM SCA mixture is prepared by thorough mixing of 100 weight parts of the dry mixture in 21 to 24 weight parts of the water.

Bases:

The ALFAFORM SCA backfilling material is used for levelling of common construction bases (cohesive lime, cement-lime, cement, polymer-cement renders or bonding agents, concrete, gas-silicate) in exterior and interior. Mineral bases, namely renders and concrete must be matured (at least 28 days), cohesive, dry and clean. Its tensile strength must be at least quadruple than holding force of the realised material. Only bases resistant to supposed load (frostproof or resistant to defrosting salts) may be used. The base must be flat enough in order not to exceed the maximum thickness of applied mortar. Bases or its parts with unsuitable solidity or flatness must be removed mechanically and repaired or levelled. Unstable, inconsistent and polluted places of bases must be removed mechanically, repaired and impregnated. The base is impregnated by the EH penetration coating, only in interior it is impregnated by the NL penetration coating. Not absorbent bases are painted by the HC-4 base paint.

Warning:

The mentioned information are compiled upon current status of technique. They represent general instructions upon our application experience and material test results. However they cannot include local conditions at its application and due to this any legal liability cannot be deduced from them. In doubt or need of solution of specific technical questions please contact us.

Preparation of the material:

The working consistency of the ALFAFORM SCA mixture is prepared by thorough mixing of 100 weight parts of the dry mixture in 21 to 24 weight parts of the water. The mixture is mixed by a stirring adapter of the drill or by a mixer with forced mixing under low revolutions for 4 to 10 minutes, according to the mixing device. After 10 minutes maturing and short mixing the material is ready for use. Adding of other mixing water or additives is prohibited. Range of working temperatures is from +5 °C to +25 °C, while the temperature of the base, dry mixture and water must also be within the said range.

Workability period:

After 10 minute maturing of the mixed material mix it shortly again and process the material within 90 minutes.

Description of application:

ALFAFORM SCA is applied by a smooth or tooth applicator onto a prepared base. After spreading out into working layer it is possible to treat the surface by steel, foam or sponge smoother. At processing of large surfaces the fluency and carefulness at continuation of working sections are essential for surface evenness. At levelling walls from gas-silicate panels and rendered walls from big format ceramic blocks of lightweight concrete panels in interior, the reinforcement by the VT1 glass mesh is recommended, the glass mesh is in this case bedded into 3 mm thick layer of ALFAFORM SCA material. Adjacent surfaces (windows, doors, banisters, switchgear boxes etc) must be protected against pollution by a suitable foil, removable or protective paints etc. Any polluted area must be cleaned in time because removal of dried material is difficult.

Flatness requirements:

the maximum thickness of the material may not be exceeded

Climatic conditions during application:

It is not recommended to realise the works under rain, at temperatures above +25 °C on directly sunlit surfaces (those may be shaded by a suitable way) and if there is a risk of temperature drop under +5 °C during hardening of the material.

Requirements for base maturation:

Mineral bases, namely renders and concrete must be matured (at least 28 days), cohesive, dry and clean.

Security (S-theorems):

S 2 Store out of reach of children.

S 22 Do not breathe the dust.

S 26 If eyes are hit immediately and thoroughly rinse them out and seek medical help.

S 36/37/39 Use suitable protective clothing, gloves, goggles or face sheet.

Security (R-theorems):

R 36/37/38 Irritating for eyes, respirator organs and skin.

R 43 May provoke sensibilisation at skin contact.

Safety regulations:

The product contains cement and as such it is classified in the sense of the Act no. 356/2003 Coll. as amended it is classified as an irritating substance with warning symbol Xi. Protection of respirator organs is not necessary if the highest admissible concentration of 10 mg/m³ is kept. Product during storage life meets the legislative requirements for the content of soluble hexavalent chromium.

First aid:

Protect your eyes and skin against stain, do not eat, smoke nor drink during the work. After the work wash your hands with water and soap and apply a reparation cream. If your eyes are hit, rinse them with water minimally for 15 minutes. If consumed immediately rinse mouth, drink minimally 0,5 l of water, do not invoke vomiting and always seek medical help.

Recommended tools:

stainless tooth or smooth applicator, steel or foam smoother.

Quality:

The product is certified for the mentioned use and tested by accredited testing laboratory. At production the product is controlled by the company laboratory subject to the certified quality management system subject to the ?SN EN ISO 9001 standard.

Storage:

The product must be stored in original packing protected against humidity, direct sunlight under temperatures minimally +5 °C. Under the mentioned conditions is the storage life 6 months from the production date. Production date is marked on the packing.

Liquidation:

Liquidation of not used remains is done by watering and depositing of the hardened inert substance as a building waste. Used packaging is liquidated as composite waste according to the valid legislation.



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STOMIX, spol. s r. o., 790 65 Žulová 178**Czech Republic, ID: 48400874****EN 998 - 1****Dry leveling spreading compound classified as mortar
for external and internal renders****Fire resistance: EN 13 501-1 Class A1****Water capillarity absorption: EN 1015-18 W 1 c \leq 0,4
Kg/m² . min^{0,5}****Compressive strength: EN 1015-11 CS IV \geq 6 MPa****Water vapour permeability: EN 1015-19 μ 64,85****Thermal conductivity: 0,7 W (m.k)****Water permeability on relevant substrates after
weathering cycles: EN 1015-21****thickness 10 mm - 0,2 ml/cm² after 48 hours****thickness 20 mm - 0,1 ml/cm² after 48 hours****Adhesion after weathering cycles: EN 1015-21 1,4 MPa
A/B**