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Baumit VitonFein

Fine clay plaster

Product

Fine clay basecoat and topcoat plaster for manual and machine application.

Intended use

Baumit VitonFein can be used as a basecoat and topcoat plaster. Suitable for application on to all Baumit Viton clay plasters and many other interior background surfaces. Baumit VitonFein is also suitable as a one coat application onto flat, homogenous backgrounds.

Composition

Well graded natural sands, clay binder, natural, mineral pigments and no further additives.

Properties

As a clay plaster Baumit VitonFein fulfills the physical and biological considerations within the built environment. A healthier alternative to gypsum or cement based products. The clay binder in the plaster helps balance internal humidity levels and absorbs toxins. The plaster coating is water vapour permeable and water absorbent. The fine aggregate enables a fine sponge floated finish or textured finishing techniques to be used.

Technical data

Aggregate size:	0–1.2 mm
Compression strength:	> 1.0 N/mm²
Water vapour diffusion resistance µ:	ca. 10
Water requirement:	5.0 – 6.0 l/sack = 200 – 240 l/t
Consumption:	ca. 8.5 kg/m² (nominal 5 mm layer)
Yield:	ca. 3.0 m²/sack (nominal 5 mm layer)
TVOC 3d:	< 300 µg/m³
Formaldehyde 3d:	< 3 µg/m³

Health and safety

Baumit VitonFein contains no harmful substances. Consequently there are no applicable Safety Regulations to observe.
In case of eye contact (mechanical irritation), rinse with plenty of water and seek medical assistance. Wear safety goggles during application.

Quality assurance

Continual monitoring and inspection of the quality of all raw materials upon reception. The manufacturer has a TÜV tested and certified Quality Management System in accordance with the international standard EN ISO 9001 and a TÜV tested and certified Environmental Management System in accordance with the international standard EN ISO 14001.

Packaging

Paper sacks, 25 kg. 1 pallet = 42 sacks = 1050 kg

Storage

Store in dry conditions and protected on pallets. Unlimited shelf life.

Substrate

Substrates must be sound, clean, dry, free from frost, dust and efflorescence. Basecoat renders and plasters should be fully cured. Prepare smooth concrete or very low suction surfaces with a suitable Baumit contact mortar, for example Baumit RK 70 N, Baumit MC 55 W or Baumit HM 50. Gypsum substrates are not suitable backgrounds. Prepare moderate to high suction with a slurry coating of Baumit VitonHaft. Keep the Baumit VitonHaft damp! Install render carriers or reed mats over unsuitable substrates (e.g. extruded unfired clay bricks etc). Clay bricks and clay boards should be inspected for suitability for clay plaster application (apply test areas).

Application

Mixing:
Baumit VitonFein is mixed with clean water in a tub to a lump free, creamy consistency with an electric hand mixer. Mixing with other products (e.g. anti-frost agents or accelerating agents) is not permitted. Automated continuous horizontal mixers may also be used. For small areas the mixed plaster can be manually applied. For larger areas the fresh plaster can be fed into a mortar pump for spray application. Alternatively, mortar mixing pumps provide an all-in-one mixing and

spraying solution. Ensure any cement and lime residue is removed from the machine. Lubricate the spraying hoses with Baumit VitonHaft (slurry consistency).
Basecoat plaster:
The plaster is applied onto the substrate or damp Baumit VitonHaft slurry coating to the required thickness (min. 10 mm) and ruled off with a straight edge, filling in undulations to produce a flat and even plaster layer.
The surface is keyed with a stiff brush in preparation for receiving further coatings. Greater thicknesses must be built up in multiple coats. The drying times (1 day/mm thickness) between coatings must be observed.
Drying cracks can be remedied with a further application of Baumit VitonFein (topcoat) or renewed damping of the surface and reworked. Where used, reinforcement mesh (e.g. Baumit StarTex, jute) must lie in the top third of the plaster layer.
Topcoat or one coat plaster:
Baumit VitonFein may be applied as a one coat application on flat homogenous substrates (concrete formwork, render carrier boards) and as a topcoat plaster on to a basecoat of Baumit VitonFein. The plaster is applied with a stainless steel trowel to a 5 mm layer thickness and rubbed up with a plasterer´s float or fine sponge float. When applying on to render carrier boards, install strips of reinforcement mesh over the board joints. Apply a first pass of Baumit VitonFein, lay in the reinforcement strips, free of creases and apply another pass of Baumit VitonFein over the whole area. Greater thicknesses are vulnerable to shrinkage cracking.
A second rubbing up of the surface is recommended with a dry fine sponge float once the surface is matt dry and no longer smeary. The surface will then be more consolidated and free of loose particles.
Thick coat clay plaster application on to ceilings constructed from render carrier boards (reed mats etc) should only be carried subject to trialling on test areas.

Further information

Baumit VitonFein requires no special subsequent treatment.
It is important that the plaster can dry quickly.
A requirement for increased surface strength can be met using a solution of diluted Baumit VitonFestiger stabiliser (1 part VitonFestiger : 2 parts water) applied to the plaster surface. Lightly spray the solution on to the plaster. Do not saturate as this may cause discolouring of the plaster. The plaster must be dry before treating.
Use only open pored, low drying stress paints e.g. Baumit Artline SilikatIn and lime paints.
Baumit VitonFein is not suitable for receiving tiles.
Ensure that the clay plaster can dry out quickly. Clay plasters are pH neutral and are vulnerable to mildew growth when exposed to high relative humidity levels (> 70%) for prolonged periods.
Ideally enough material should be ordered to complete the project in one production batch to maintain uniformity of colour. Subsequent deliveries or batches to site should be mixed with the previous ones.
Important note:
Artifical drying of the clay plaster should not be carried out using gas fuelled heaters. Dehumidifiers are recommended.
Testing for TVOC and Formaldehyde emissions is carried out by the eco-Institut.

The air, material and background temperature must be above +5° C during application and curing.

This Product Data Sheet has been issued by:

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