

PRODUCT DATA SHEET

Casco DecoRender Grey

GREY SLURRY-COAT / DECORATIVE RENDERING MORTAR



DESCRIPTION

Cement based, vapour-permeable (breathing), decorative rendering mortar for masonry and concrete substrates. May also be mixed and applied as slurry-coat prior to render-applications.

USES

Casco DecoRender Grey may be applied on vertical surfaces for levelling of surface-variations, also introduce sufficient surface protection pm indoor and outdoor substrates made of LWA-concrete, AAC-concrete, domestic concrete, masonry etc.

The product may be applied as regular decorative surface-render, or alternatively mixed and applied as slurry-coat prior to render-application.

Typical applications are refurbishing-works on foundation walls, and vertical masonry-surfaces.

CHARACTERISTICS / ADVANTAGES

Casco DecoRender Grey is mixed with water, and presents an aesthetic, grey-coloured, stable surface-finish.

- Easy to use and apply
- Manual application by trowel, brush or by suitable spraying-equipment
- Easy and fast mixing
- Consistency can be varied to suit application method
- Good adhesion
- Excellent workability
- Vapour permeable (breathing)

APPROVALS / CERTIFICATES

The product complies with EN 998-1: Class CS IV as type: General purpose (GP) mortar for interior and exterior use.

See separate document:
Declaration of Performance (DoP)

PRODUCT INFORMATION

Composition	Portland cement, and natural aggregates
Packaging	20 kg bag
Appearance / Colour	Grey powder
Shelf life	12 months
Storage conditions	Stored in dry conditions, and in unopened, original packaging.

APPLICATION INFORMATION

Mixing Ratio	Apply following water-dosages depending on intended type of application: <ul style="list-style-type: none">▪ 5,0 – 6,5 L water per 20 kg bag for slurry-coat consistency.▪ 4,0 – 4,5 L water per 20 kg bag for use as rendering mortar with smooth consistency,
Substrate Temperature	Higher than: + 6°C, and never below: + 2°C
Initial Set Time	Workability window: 1 - 2 hours. Time to initial set: Approx. 5 - 6 hours at: +20°C.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Suitable substrates are concrete, blocks made of LWA-concrete or AAC-concrete, masonry, robust render-layers etc.

Substrate preparation:

The substrate is cleaned thoroughly, and surface-suction reduced by pre-wetting. Bug-holes, cuts and non-filled joints are pointed and repaired with suitable repair-mortar, and allowed sufficient time for curing, preferably overnight.

MIXING

Casco DecoRender Grey is mixed using suitable forced-action mixer, or handheld power-mixer with helical mixing paddle.

See water-dosage instructions under section: "Mixing Ratio"

Add approx. 3 - 4 L of mix-water initially to the mixing-vessel or mixing-machine tray and add gradually 20 kg Casco DecoRender Grey powder. Mix continuously until a lump-free, uniform consistency is achieved. Add the remaining mix-water, and adjust to the wanted application-consistency. Mix further 2-3 minutes to secure a fully mixed, uniform and homogenous material.

APPLICATION

As slurry-coat:

Perform in 2 -3 applications. For the first application mix the material to a very thin-flow slurry. Depending on the temperature and drying conditions, the second application can be performed after 3-6 hours, while 3:rd application should be applied the following day for the optimum result. Casco DecoRender Grey can be sprayed using suitable pump-equipment.

As rendering-mortar:

To achieve the best adhesion and protection, the Casco DecoRender Grey should be initially applied as slurry-coat. When mixed as rendering-mortar (See section: "Mixing ratio") the material should be applied using steel- or wooden trowels in thickness 3 - 5 mm. After the mortar has matured, treat the surface with pre-moisted brush.

If a coarser texture is wanted, apply the material by using a suitable roller. The optimal adhesion and protection is achieved by performing a slurry-coat prior to full application as rendering-mortar.

Note! Workability window: 1 - 2 hours after water-addition (at: +20°C)

Applied on LWA-/ AAC-concrete:

Casco DecoRender Grey can be coated or applied directly on substrate of LWA-/AAC concrete if bug-holes /cuts and joints are repaired-/grouted in advance. In order to avoid visible block-/segment patterns during rain-exposure, it is highly recommended that the joints are treated with a slurry-coat containing Casco Primer as additive. Thereafter, perform two applications of Casco DecoRender Grey.

CURING TREATMENT

Casco DecoRender Grey does not withstand freezing during early curing (48 hours). The product should be used in temperatures above: + 6°C, and never below: + 2°C. In dry climate, and on high-suction surfaces we advice to water the material in regular intervals during the first days after casting.

Casco DecoRender Grey should not be applied during rain.

CLEANING OF EQUIPMENT

Clean all tools immediately after use with clean water. Hardened residue must be removed mechanically.

IMPORTANT CONSIDERATIONS

A pre-requisite for a good result involved sufficient priming of mineral -based substrates with CASCO Primer, a correct mixing-ratio, work-procedure as well as correct temperature.

If there is a different material in the substrate than described, a written approval should be issued confirming possible use of Casco DecoRender Grey. Please review at all times storage-instruction / shelf-life performance.

All stated waiting-times are given as guidance, and based upon an air-/substrate temperature of +20°C, and relative-humidity: 50% RH.

- Maximum water-dosage level should not be exceeded.
- Do not add additional water to material that have started to stiffen.

Carefully protect new surfaces with PE-sheeting against direct sun, wind and secure against rain, and/or freezing during the first days after casting.

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.

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 the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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.