

PRODUCT DATA SHEET

AST

DUST REDUCED, FAST SETTING GYPSUM-BASED STURDY MORTAR FOR LEVELLING, REPAIRS AND FULL-SURFACE SMOOTHING.

DESCRIPTION

Dust reduced, fast setting gypsum-based sturdy mortar for levelling, repairs and full-surface smoothing. Suitable on most cement based and plaster substrates.
For indoor use only.

USES

Suitable on most cement based and plaster substrates.

CHARACTERISTICS / ADVANTAGES

- Dust reduced
- Fast setting
- Very low shrinkage
- Fine grained
- Suitable for applications on subfloor heating system

APPROVALS / CERTIFICATES

EN 13813: CA-C16-F5

PRODUCT INFORMATION

Composition	Calcium sulphate (gypsum)
Packaging	15 kg
Shelf life	Storage life 12 month (in closed packaging). Opened bags should be closed immediately and used up as soon as possible.
Storage conditions	Store AST in cool, dry conditions.
Bulk Density	1,10 kg/liter of dry powder

APPLICATION INFORMATION

Consumption	approx. 1,3 kg/m ² /mm
Layer Thickness	0-5 mm
Substrate Temperature	Both substrate and leveling compound: Not below +5 °C, best conditions between +15 °C - +20 °C
Pot Life	approx. 20 minutes
Waiting Time / Overcoating	Walk-able: approx. 1 hour Cover-able: approx. 12 hours - 5mm

APPLICATION INSTRUCTIONS

MIXING

15 kg of AST / 3,8 liter of cold water.

APPLICATION

AST is suitable for filling, repairing, leveling and making slopes:

- For fast full-surface smoothing of the subfloors
- Of staircase and wall projections.
- To level out differences in height to adjacent areas
- As a repairing mortar for filling holes and deepenings
- Can be used under textile, ceramic and elastic coverings.
- For indoor use only.
- The leveling compound must be covered

PRIMING

Primer-free on most plaster based substrates
For priming use primer VD, VD Fix or VD Super, depending on the type of background. For further information see technical data sheet of the primer.

RECOMMENDED METHOD OF WORKING

- Using a clean bucket.
- Pour AST into cold, clean water and stir to a homogenous mixture (speed mixer recommended, 600 rpm, 3 min)
- Spread, smooth and model the levelling compound with a smoothing trowel or spatula.
- Protect curing AST from high ambient temperatures, direct sunlight and draughts.
- Clean tools with water.

SUBSTRATE PREPARATION

REQUIREMENTS OF SUBSTRATE

- Adequate strength, bearing strength, dimensional stability and permanent dry.
- Free of layers which reduce adhesion, e.g. dust, dirt, oil, fat, wax cleaning agents and loose particles.
- Separation layers, sinter layers, and other similar contamination should be removed through sanding, brushing, abrasive blast cleaning, milling or thorough cleaning.
- Old, loose and weak levelling layers should be removed mechanically.
- When installing floor coverings, the RH of the construction must not exceed 85 %.
- Layers of water-soluble adhesives, e.g. sulphite adhesives, should be removed completely.
- Old floors, such as ceramic tiles are to be thoroughly cleaned and sanded.
- OSB to be grinded intensively.

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- Rooms that do not have a cellar underneath must to be sealed against rising dampness in compliance with the standard.
- The requirements specified in relevant valid standards, guidelines and specifications must be fulfilled.

SUBSTRATE QUALITY

AST is suitable on substrates like:

- Concrete and Light concrete
- Cement and rapid cement screeds
- Calcium sulphate based screeds
- Mastic asphalt screeds (sanded) IC 10 and IC 15 according to EN 13 813
- Old substrates such as ceramic tiles, natural stones and terrazzo
- Wooden substrates and Gypsum boards

BASIS OF PRODUCT DATA

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

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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 Casco 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 or on the website www.casco.eu.

AST-en-SECASCO-(03-2020)-1-1.pdf

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March 2020, Version 01.01
020815030120000004