

# SMARGO<sup>®</sup> 814

## Dispersible Polymer Powders

SMARGO<sup>®</sup> 814 is a multi-purpose dispersible polymer powder for dry-mix mortars, specifically suited for ETICS applications. It is based on a semi-flexible copolymer of vinylacetate and ethylene and belongs to SMARGO<sup>®</sup>, a brand of cost-effective quality enhancers for dry-mix mortars.

SMARGO<sup>®</sup> 814 provides basic properties of adhesion, flexibility and workability, thus offering a high degree of formulation freedom.

## Properties

- SMARGO<sup>®</sup> 814 is a copolymer powder of vinyl acetate and ethylene and is dispersible in water.
- Mortars modified with SMARGO<sup>®</sup> 814 exhibit improved adhesion, flexural strength deformability, abrasion resistance and are easier to process. Leveling, thixotropy and water retention are essentially unaffected. The product is ideal for use in combination with other mortar additives intended to enhance specific properties.
- SMARGO<sup>®</sup> 814 contains a fine mineral filler as antiblocking agent. It is produced without addition of organic solvents, plasticizers or filmforming agents.
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## Technical data

### Specification

Property	Condition	Value	Method
Bulk density	-	450 - 650 kg/m <sup>3</sup>	DIN EN ISO 60
Ash content	1000 °C	max. 19 %	specific method
Solids content	-	min. 98 %	DIN EN ISO 3251

## General Characteristics

Property	Condition	Value	Method
Appearance	-	white to light beige powder	Visual
Minimum film forming temperature	-	1 °C	DIN ISO 2115
Protective colloid / emulsifier system	-	polyvinyl alcohol	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Store in a dry and cool place.

## Applications

- Adhesive and Embedding Mortars
- Cementitious Tile Adhesives
- Mineral Renders & Plasters
- One-Component Self-Leveling Compounds
- Skim Coat

## Application details

For typical application fields of SMARGO® 814, refer to the section "application". Please discuss additional applications with your WACKER customer representative.

### Processing

For the production of ready-mixed dry mortars, such as adhesives and patching compounds, blend SMARGO® 814 with the other dry ingredients in appropriate equipment. Temperatures should not be allowed to rise excessively during mixing because otherwise the dispersible polymer powder could agglomerate by virtue of its thermoplastic properties. The mortar is prepared for use by adding the recommended amount of water and mixing mechanically or by hand. Since hand mixing generates little shear force, we recommend allowing the fresh mortar to slake for 5 minutes and then stirring it again. This is usually unnecessary where mechanical mixers are employed.

## Packaging and storage

### Packaging

SMARGO® 814 is available only as a full truck load (FTL) or full container load (FCL), with 25 kg paper bags being the standard packaging. You also have the option of ordering SMARGO® "bundles" – FTLs or FCLs of different SMARGO® grades combined at various ratios.

### Storage

During storage, protect the product from contact with moisture. Prolonged storage at temperatures above 30 °C, especially in combination with pressure, humidity or exposure to sunlight, may result in blocking. Carefully seal any open containers and store them under suitable conditions. We recommend storing the product in a warehouse that provides cool and dry conditions. Do not store the product for more than six months, starting from the date at which it was received, unless the Certificate of Analysis contains a different date, which would take precedence. If the product is stored longer than recommended, it may still be used but users are advised to verify the properties required for the intended use.

## Safety notes

Comprehensive instructions are given in the appropriate Material Safety Data Sheets. These are available on request from WACKER sales offices or may be downloaded from the WACKER Web site [www.wacker.com](http://www.wacker.com).

## QR Code SMARGO® 814



### For technical, quality or product safety questions, please contact:

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