



# AEROSIL 200

## ***DELTAPrime Filler*** POWDER BASED EXTENDER / THICKENER

### DESCRIPTION

**AEROSIL 200** is a fumed silica powder used as part of the **DELTAPrime** priming systems as a “filler” or “extender” designed to increase the viscosity of the **DELTAPrime** Primers in order to make a self levelling floor topping or to make a higher viscosity primer film to aid in the closing of concrete surface imperfections such as bug holes and pinholes.

### TYPICAL USES

- ✓ Used in conjunction with **DELTAPrime** primers to produce a more viscous paste like “sealing primer” for sealing concrete surfaces prior to applying **DELTAShield** protective coatings.
- ✓ As a thickening agent in conjunction with **DELTAPrime 2K SF** primer or with **DELTAShield F 500** to produce a self levelling floor topping.
- ✓ Used in conjunction with **DELTAPrime 2K SF** primer to produce a patch repair material.
- ✓ To increase anti-sagging properties.

### FEATURES

- ✓ Can create a wide range of end product consistencies suitable for repair mortars, slurries and self levelling pastes simply by adjusting the mix ratio of chemical product to filler.
- ✓ Creates a smooth and homogenous product.
- ✓ Easy to work with and indefinitely adjustable.
- ✓ Does not reduce the adhesion to concrete substrates.
- ✓ Increases water vapour barrier properties.
- ✓ High quality white.

### PRODUCT INFORMATION

Physical Properties		Data
Chemical Base		Refined Talc Powder
Density [g/cm <sup>3</sup> ] @ 20°C	DIN ISO 787/10	2,7
Hardness [Mohs]		1
Oil absorption value [g/100g]	ISO 787/5	40
Pull off strength [N/mm <sup>2</sup> ] when used with <b>DELTAPrime</b>	DIN EN ISO 4624 / ASTM D-4541	Concrete: ≥ 1,5



### MIXING & APPLICATION

- **DELTAPrime Filler** is supplied in a 10kg sacks.
- Simply add **DELTAPrime Filler** to the **DELTAPrime 2K SF** or **DELTAShield F 500** and mix in using a highspeed power stirrer until the mix is homogenous and free from any lumps.
- Add **DELTAPrime Filler** until the desired viscosity is obtained.

### PRIMING AND SEALING CONCRETE

- When sealing and priming concrete substrates it is recommended to first seal and densify the concrete substrate with one application of **DELTAPrime 2K SF** Primer neat (Without any Filler).
- Once this initial application is touch dry mix **DELTAPrime 2K SF** primer with **DELTAPrime Filler** until a thin creamy consistency is achieved that can be easily worked across the substrate using a rubber edged squeegee trowel.
- Adjust mix ratio between chemical base and **DELTAPrime Filler** to suit application circumstances.
- Work the primer and filler mix across the substrate surface allowing it to fill bug holes, pin holes and concrete imperfections.
- It is not necessary to apply a complete second layer of primer just squeegee the primer and filler mix across the substrate allowing it to fill holes and imperfections in the substrate.

### CREATING A SELF LEVELLING FLOOR TOPPING

- The base chemical system; either **DELTAPrime 2K SF** or **DELTAShield F500**, should be prepared first in accordance with the respective product data sheets.
- To 100 parts of the prepared base chemical system (**DELTAPrime 2K SF** or **DELTAShield F 500**) add **20 parts of DELTAPrime Filler by weight**.
- The combined components should be thoroughly mixed using a power mixer until a homogenous and consistent paste is generated free from lumps and streaks.
- The thoroughly blended paste is to be spread across the entire floor area using a rubber squeegee. If a desired WFT is required use a squeegee or rake trowel with pre-set depth gauges.
- Using spiked shoes back roll the self levelling paste using a spiked de-airing roller to assist in the de-airing of the paste.



PROCESSING PROPERTIES	DATA
Mixing Ratio (A:B)	<p><b>a) Self levelling compound (weight portions):</b>            Comp. A+B of <i>DELTAPrime 2K SF</i>: 100 parts  <i>DELTAPrime - Filler</i>: 20 parts</p> <p><b>b) Thixotropic repair mortar (weight portions):</b>            Comp. A+B of <i>DELTAPrime 2K SF</i>: 100 parts  <i>DELTAPrime - Filler</i>: 55 parts</p>
Consumption on concrete [g/m <sup>2</sup> ] per 1mm thickness  (Approximate guidelines only)	<p><b>a) Self levelling compound</b>            Total: 1210            Comp. A+B of <i>DELTAPrime 2K SF</i>: 1008  <i>DELTAPrime - Filler</i>: 202</p> <p><b>b) Thixotropic mortar</b>            Total: 1380            Comp. A+B of <i>DELTAPrime 2K SF</i>: 890  <i>DELTAPrime - Filler</i>: 490</p>
Recommended thickness [µm]	Depends on application and substrate.
Numbers of layer	1
Gel time at 20°C [min.]	a) Self levelling compound: approx. 1 ½ - 3 hours b) Thixotropic mortar: approx. 2 hours.
*Overcoat window [h]	Max. 48 hours

## STORAGE AND HANDLING

- Approximately 24 months from the date of manufacture, when kept in original unopened packaging away from moisture.
- Wear a dust mask over mouth and nose when handling Aerosil 200.

## PACKAGING

*DELTAPrime Filler* is supplied in 10 kg bags

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own investigations and testing, the suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. Due to the large number of variables that can affect the product and the application process that are out of the control of DELTA Coatings International LLC no warranty of any kind, express or implied is given. The liability of DELTA Coatings International LLC for any claims is limited to the purchase value of the material.

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