

DELTA Prime Filler



T E C H N I C A L D A T A S H E E T

Powder based extender/thickener

Description

DELTA Prime Filler is a fumed silica powder used as part of the DELTA Prime priming systems as a filler or extender designed to increase the viscosity of the DELTA Prime Primers in order to make a 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.

Features

- Creates a wide range of end product consistencies suitable for repair mortars simply by adjusting the mix ratio of chemical product to filler
- Creates a smooth homogenous product
- Easy to apply
- Significantly increases the water vapor barrier properties
- Penetrates deeply into concrete surface
- Long recoating interval
- Designed for extreme climates
- Significantly increase bond strength and adhesion

Typical uses

- Used in conjunction with DELTA Prime primer to produce a more viscous paste like “sealing primer” for sealing concrete surfaces prior to applying DELTA Shield protective coatings
- Used in conjunction with DELTA Prime primer to produce a patch repair material
- To increase anti-sagging properties



DELTA Prime Filler



T E C H N I C A L D A T A S H E E T

Powder based extender/thickener

Product information

Processing properties	Data		
Mixing ratio A : B [grams]	Thixotropic repair material	Mixed components A+B of DELTA Prime primer	100
		DELTA Prime Filler	55
		Total	155
Consumption on concrete [g/m ²] per 1 mm thickness	Thixotropic repair material	Mixed components A+B of DELTA Prime primer	890
		DELTA Prime Filler	490
		Total	1,380
Recommended thickness	Various depending on application and substrate		
Number of layers	1		
Get time at 20° C [hours]	Thixotropic repair material	2	
Overcoat window [hours]	24		
Chemical base	Refined talc powder		
Density [g/cm ³] at 20° C	2.7		
Hardness [Mohs]	1		
Oil absorption value[g/100g]	40		
System pull off strength [N/mm ²]	Concrete > 1.5		
Storage conditions (closed original drums, dry & covered place) [° C]	10 – 40		
Shelf life (unopened and stored correctly) [years]	2		

DELTA Prime Filler



T E C H N I C A L D A T A S H E E T

Powder based extender/thickener

Mixing & application

- **DELTA Prime Filler** is supplied in a 10kg bags
- Simply add **DELTA Prime Filler** to DELTA Prime primer and mix in using a highspeed power stirrer until the mix is homogenous and free from any lumps
- Add **DELTA Prime Filler** until the desired viscosity is obtained
- To achieve optimum adhesion, overcoating must be undertaken within 12 hours

Priming & sealing concrete

- When sealing and priming concrete substrates, it is recommended to first seal and densify the concrete substrate with one application of DELTA Prime primer (Without any Filler)
- Once the initial layer is touch dry; mix DELTA Prime primer with **DELTA Prime Filler** to a thin and creamy consistency that can easily be worked across the substrate using a rubber edged squeegee trowel
- Adjust the mixed ratio of chemical base and **DELTA Prime Filler** to suit application circumstances
- Work the mixed product across the substrate surface allowing it to fill bug holes, pin holes and concrete areas
- It is not necessary to apply a complete second layer of only DELTA Prime primer. Simply squeegee the primer and filler mix across the substrate allowing it to fill holes and imperfections in the substrate

Packaging

- **DELTA Prime 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. These products require specialized equipment and skills to apply. It is the purchaser's responsibility to ensure that they have the necessary equipment, skills and experience to apply these products. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Technical and application information is provided for the purpose of establishing a general profile of the material and application parameters. Test performance results were obtained in a controlled environment and DELTA Coatings International LLC makes no claim that these tests or any other tests can be accurately reproduced in all environments. The rights of the purchaser regarding the quality of our materials follows completely our general terms and conditions. For requirements, which exceed the scope of the above-mentioned applications please contact DELTA technical staff. DELTA Coatings International LLC reserves the right to change or modify the details and data contained herein at any time. Valid is only the actual version of this technical data sheet in each case.

* DELTA recommends that in all applications involving chemicals a pre-test of the lining's suitability in the customer's application is conducted. Consult with DELTA Technical Team.

© Copyright, DELTA Coatings International LLC, DELTA Prime Filler

Version 300112025