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Product Bulletin

# DiamondShield™

A balanced, open-grid glass fiber mesh

## DESCRIPTION

DIAMONDSHIELD is a balanced, open-grid triaxial glass fiber mesh that distributes stress across three directions. The unique design is engineered specifically for use with BASF Base Coats as an overlay system applied to new or existing stucco (Portland cement plaster). Improvements in tensile and flexural strength provided by DIAMONDSHIELD result in superior crack resistance properties on new or retrofit stucco applications.

## USES

For use with: BASF Stucco Wall Systems, BASF Stucco Resurfacing Systems and conventional two or three coat stucco systems.

## PACKAGING

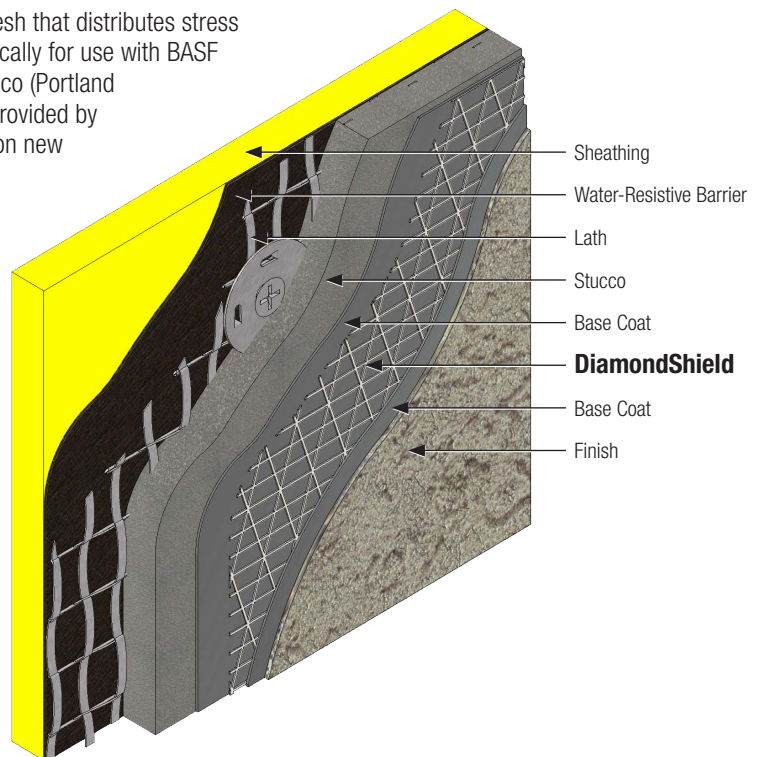
96.5cm x 45.7m (38" x 150')  
4 rolls per box

## COLOR

White

## TECHNICAL SUPPORT

Consult our Technical Services Department for specific recommendations concerning all other applications. Reference the Wall Systems website, [www.wallsystems.basf.com](http://www.wallsystems.basf.com), for additional information about products and systems and for updated literature.



## ADVANTAGES

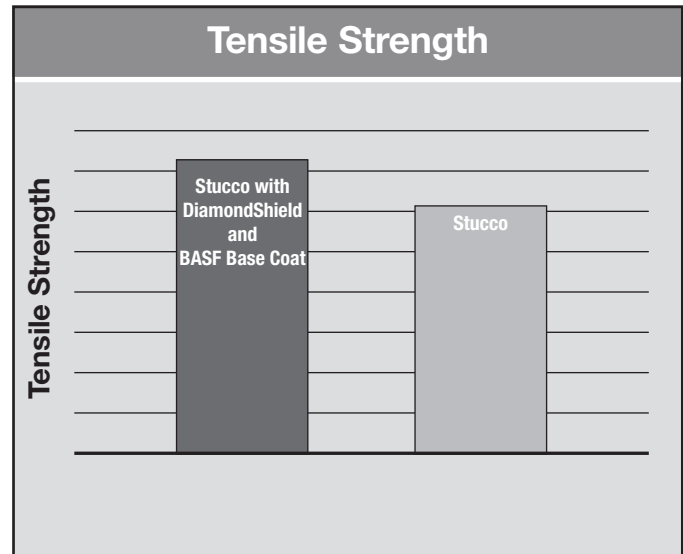
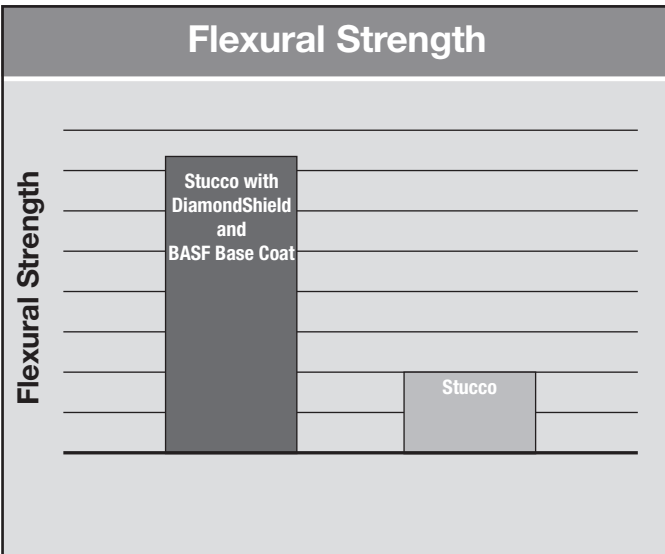
Alkali resistant, compatible with all BASF Base Coats; high tensile strength and flexibility for long-term durability.

Increased flexural & tensile strength at ultimate load compared to stucco without DIAMONDSHIELD/BASF Base Coat.

Fiberglass mesh / base coat overlay systems applied to stucco are recommended by various Lath and Plaster Bureaus

Made in the USA in a ISO 9001:2008 certified manufacturing facility

## TEST DATA



## APPLICATION

**Note: Allow stucco to cure a minimum of 6 days prior to application of BASF Base Coat / DIAMONDSHIELD.**

1. All surfaces to receive BASF Base Coat and DIAMONDSHIELD must be clean, dry and free of contaminants.
2. Apply mixed BASF Base Coat to entire surface of stucco with a stainless steel trowel.
3. Immediately place DIAMONDSHIELD against wet BASF Base Coat and embed DIAMONDSHIELD into the BASF Base Coat by troweling from center to the edges.
4. Lap DIAMONDSHIELD 64mm (2 1/2") minimum at edges.
5. Ensure DIAMONDSHIELD is continuous, void of wrinkles and embedded in BASF Base Coat so that no DIAMONDSHIELD is visible.
6. If required, apply a second layer of BASF Base Coat to achieve total nominal BASF Base Coat / DIAMONDSHIELD thickness of 1.6mm (1/16").
7. Allow BASF Base Coat with embedded DIAMONDSHIELD to dry hard (normally 8 to 10 hours) prior to finish coat application.

## LIMITATIONS

1. Protect DIAMONDSHIELD during transportation and installation to avoid physical damage.
2. Store DIAMONDSHIELD in a cool, dry place protected from exposure to moisture.
3. See specifications and details for complete information on installation of BASF Wall Systems.
4. Apply in temperatures of 4°C (40°F) and higher.
5. Not for use in Exterior Insulation and Finish Systems (EIFS).

## WARRANTY

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