Acrocrete®
ARCHITECTURAL FINISHES

PRODUCT BULLETIN

Acrocrete® Reinforcing Mesh

DESCRIPTION

Balanced, open-weave glass, fiber reinforcing mesh, twisted multi-end strands treated for compatibility with Acrocrete® base coats. A variety of reinforcing mesh types are available to meet the different requirements of impact resistance at specific wall locations. Acrocrete SELF-ADHERING MESH TAPE, in addition to having the same properties as described above, is coated with a pressure sensitive adhesive.

USES

1. For use with all Acrocrete wall systems and Acrowall-ESV and Acrowall-CBS and for EPS shapes on Acrowall-CP that use either EPS or polyisocyanurate insulation boards and for use over EPS shapes on all Acrocrete wall systems.
2. For above ground use with all Acrowall Surfacing Systems.
3. Acrocrete SELF-ADHERING MESH TAPE only: reinforces ACROSTOP™ T over acceptable sheathing joints and reinforces ACROSTOP T over rough openings and at terminations.
4. 4", 9" SHEATHING FABRIC only: reinforces ACROSTOP R over acceptable sheathing joints and reinforces ACROSTOP R over rough openings and terminations.

FEATURES

- Alkali resistance, compatibility with all Acrocrete base coats
- Acrocrete SELF-ADHERING MESH TAPE

COLOR

Acrocrete meshes are white, except 4" and 9" SHEATHING FABRIC which are gray.

TECHNICAL SUPPORT

Consult BASF Wall Systems' Technical Services Department for specific recommendations concerning all other applications. Consult the Acrocrete® website, www.acrocrete.com, for additional information about products and systems and for updated literature.

APPLICATION

Corner Mesh:

Install CORNER MESH at exterior corners. Apply mixed base coat to insulation board at outside corners. Immediately embed the CORNER MESH into the base coat by troweling from the corner, butt edges and avoid wrinkles. After base coat is dry and hard, apply a layer of ACROMESH REINFORCING MESH 4, INTERMEDIATE 6 or 12 reinforcing mesh over the entire surface of the CORNER MESH.

Acromesh 4, Intermediate 6 and 12 reinforcing meshes:

Fully embed clean mesh into wet base coat and smooth with a trowel so as to achieve mesh embedment with no mesh color visible. Double layers of ACROMESH 4 and INTERMEDIATE 6 mesh must be applied at all inside and outside corners. Window corners also require secondary reinforcement as per details. Lap reinforcing mesh 64 mm (2 1/2") minimum at edges.

HI-IMPACT 20 reinforcing mesh:

Embed HI-IMPACT 20 reinforcing mesh in wet base coat by troweling from the center to the edges. Butt HI-IMPACT 20 reinforcing mesh at all adjoining edges, do not use to backwrap or bend around corners. Butt HI-IMPACT 20 reinforcing mesh at adjoining edges of CORNER MESH. Ensure reinforcing mesh is free of wrinkles and embedded in base coat so that no reinforcing mesh color is visible. After base coat with embedded reinforcing mesh is dry and hard (normally 8 to 10 hours), apply a layer of ACROMESH 4 or INTERMEDIATE 6 reinforcing mesh over the entire surface to achieve total nominal base coat/reinforcing mesh thickness of 2.4 mm (3/32").

Self-Adhering Mesh Tape:

Substrate shall be acceptable to BASF Wall Systems. Substrate shall be dry, clean, sound and free of release agents, paint or other contaminants. Verify that the substrate is flat, free of fins or anything that would hinder adhesion of the mesh. Unsatisfactory conditions shall be reported to the general contractor and corrected before application of the Acrocrete wall system. Acrocrete SELF-ADHERING MESH TAPE may be applied direct from the roll. Center the mesh over the area to be reinforced. Firmly press the mesh onto the surface while unrolling. Avoid creating wrinkles and fish-mouths. If they occur cut out the area with a utility knife and re-apply. Overlap Acrocrete SELF-ADHERING MESH TAPE a minimum of 65 mm (2 1/2"). Cover SELF-ADHERING MESH TAPE with a layer of ACROSTOP T.

4", 9" Sheathing Fabric:

Apply mixed ACROSTOP R at all sheathing, joints, terminations, inside and outside corners and rough openings. Immediately place and center 4" or 9" SHEATHING FABRIC over wet ACROSTOP R outside corners and rough openings. Ensure fabric extends evenly on both sides of the sheathing joint. Lap mesh 63.5 mm (2 1/2") minimum at intersections. Allow to dry to the touch, before applying ACROSTOP R to entire wall surface.

LIMITATIONS

1. Protect Acrocrete® reinforcing mesh during transportation and installation to avoid physical damage.
2. Store Acrocrete reinforcing mesh in a cool, dry place protected from exposure to moisture.
3. See Acrocrete Specifications and Details for complete information on installation of Acrocrete wall systems.
4. Apply in temperatures of 4°C (40°F) and higher.

TECHNICAL DATA

EIMA impact standard 101.86:

ACROMESH 4/Standard base coat:
Standard Impact Resistance
[2.8–5.6 J (25–49 inch-lbs)]
INTERMEDIATE 6/Standard base coat:
Standard Impact Resistance
[2.8–5.6 J (25–49 inch-lbs)]
INTERMEDIATE 12/Standard base coat:
Medium Impact Resistance
[5.7–10.1 J (50–89 inch-lbs)]
INTERMEDIATE 12 & ACROMESH REINFORCING MESH 4/ Standard base coat:
High Impact Resistance
[10.2–17.0 J (90–150 inch-lbs)]

BASF
The Chemical Company

HI-IMPACT 20 & ACROMESH REINFORCING MESH 4/ Standard base coat:
Ultra High Impact Resistance
[over 17.0 J (150 inch-lbs)]

Acromesh 4 Reinforcing Mesh:

A single-layer application of ACROMESH 4 provides reinforcement for wall system areas not expected to receive abnormal abuse or traffic.

Weave: Leno
Weight: 113 g/m^2 (4 oz/yd^2) +/- 5%
Fabric Count: 6 x 5
Packaging: 96.5 cm x 45.7 m (38" x 150') roll
9" Starter rolls: 24.1 cm x 45.7 m (9" x 150')
122 cm (48" width)
183 cm (72" width)
1244 cm (96" width)

Intermediate 6 Reinforcing Mesh:

A single-layer application of INTERMEDIATE 6 provides reinforcement for wall system areas not expected to receive abnormal abuse or traffic.

Weave: Leno
Weight: 202 g/m^2 (5.6 oz/yd^2) +/- 5%
Fabric Count: 6 x 5
Packaging: 96.5 cm x 45.7 m (38" x 150') roll

Intermediate 12 Reinforcing Mesh:

A versatile, intermediate weight mesh. While capable of being used for a complete single-layer application, INTERMEDIATE 12 is often used in conjunction with ACROMESH 4 or INTERMEDIATE 6 to offer added impact resistance at specific areas (i.e. around doors or walkways).

Weave: Leno
Weight: 373 g/m^2 (11 oz/yd^2) +/- 5%
Fabric Count: 16 x 12
Packaging: 96.5 cm x 22.8 m (38" x 75') roll

Hi-impact 20 Reinforcing Mesh:

A heavy-weight mesh intended for areas expected to receive a high degree of traffic and abuse. HI-IMPACT 20 has special installation procedures including:

1. Edges are butted (not overlapped).
2. HI-IMPACT 20 cannot be used for backwrapping and will not bend around corners.
3. An application of HI-IMPACT 20 requires a continuous and lapped ACROMESH 4 or INTERMEDIATE 6 application as an overlay.

Weave: Hurl Leno
Weight: 675 g/m^2 (20.0 oz/yd^2) +/- 5%
Fabric Count: 4 x 3
Packaging: 99.0 cm x 22.8 m (39" x 75') roll

Corner Mesh:

An intermediate-weight mesh for use at exterior corners when added impact resistance or clean, crisp corners are desired. CORNER MESH is pre-marked for easy bending. An overlay of ACROMESH 4, INTERMEDIATE 6 or 12 is required when CORNER MESH is used.

Weave: Plain or Hurl
Weight: 304 g/m^2 (9.0 oz/yd^2) +/- 5%
Fabric Count: 12 x 4
Packaging: 22.9 cm x 45.7 m (9" x 150') roll

Self-Adhering Reinforcing Mesh Tape:

A standard weight mesh coated with a pressure sensitive adhesive and used with ACROSTOP T air/ moisture barrier as reinforcement over acceptable sheathing joints, rough openings and at terminations.

Weave: Leno
Weight: 169 g/m^2 (5 oz/yd^2) +/- 10%
Packaging: 4" Rolls: 10.2 cm x 45.7 m (4" x 150')
9" Rolls: 22.9 cm x 45.7 m (9" x 150')

4", 9" Sheathing Fabric:

4", 9" SHEATHING FABRIC is used with ACROSTOP R air/moisture barrier as reinforcement over acceptable sheathing joints, rough openings and at terminations.

Packaging: 4" roll: 10.2 cm x 54.8 m (4" x 180 ft) roll
9" roll: 22.9 cm x 54.8 m (9" x 180 ft) roll

RESIDENTIAL POLICY

On one and two-family residential framed construction, BASF Wall Systems requires that the wall system selected be one that includes provisions for management of incidental moisture. The choices include water-managed EIFS, Acrowall-CP, and Acrowall-CBS. Acrowall Surfacing Systems for insulating concrete forms are also acceptable. There are no exceptions to this policy. Under no circumstances will BASF Wall Systems warrant the use of any other system on this type of construction without expressed written permission from BASF Wall Systems [Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water management provisions described above.]

Consult BASF Wall Systems' Technical Services Department for specific recommendations concerning all other applications. Consult the Acrocrete web-site, www.acrocrete.com for additional information about products and systems and for updated literature.

DISCLAIMER