

PRODUCT DATA SHEET

Alpha Genie Base Coat

100% acrylic leveling base coat

COLOR

Off white prior to addition of Portland cement.

PACKAGING

5 gallon pail (19 liters)
60 lbs. (27.2 kg)

COVERAGE PER PAIL*

Leveling

1/8" (3.2mm) Thick: 110 ft² (10m²)
1/4" (6.4mm) Thick: 55 ft² (5m²)

Mesh Embedment

Flexguard 4: 280 ft² (26 m²)

*Coverage rates vary depending on porosity of substrates and application techniques.

VOC

Less than 50 g/l, or 0 lbs/gal less water and exempt solvent.

SHELF LIFE

Two (2) years, properly stored in original containers.

DESCRIPTION

Alpha Genie is a 100% acrylic fiber reinforced base coat that is field mixed with Type I, 1L or I-II Portland cement to produce a cementitious leveling base coat for Senergy systems or a leveling agent for masonry and concrete substrates.

USES

For leveling masonry, stucco, and other cementitious substrates and for Senergy reinforcing mesh embedment as part of Senergy wall systems.

ADVANTAGES

Easy 1:1 mixing ratio reducing the chance for error.

High build fiber reinforced product made to achieve excellent resistance to drying shrinkage cracks.

Water based, safe, non-toxic, and cleans up easily with soap and water.

Trowels on easily, speeds mesh embedment, reduces applicator arm fatigue, increases job-site productivity.

Can be used as a leveling coat minimizes multiple applications when leveling up 1/8" thick per pass, 1/4" total.

MIXING

In a clean container, mix the contents of the Alpha Genie pail with a low speed drill and paddle mixer until thoroughly blended. Divide pail content in two equal parts, mix 30 lbs. (13.6 kg) of Alpha Genie with 30 lbs. (13.6 kg) of Portland cement in small increments; thoroughly mix to a homogeneous consistency after each additional increment. Let the mixture sit for 5 minutes then stir to a creamy consistency. Up to 32 oz. (0.9 L) of water per half pail, may be added to achieve the desired workability.

- Do not use a container which has contained or been cleaned with a petroleum-based product.
- Do not overmix. Excessive stirring will cause faster setting of the Alpha Genie and significantly reduce working time.
- For best results, mix at 400-500 rpm, using a heavy-duty drill with a jiffler type paddle (Goldblatt Jiffler Mixer No. 15311 H7 or similar).
- Additives are not permitted.
- Close container when not in use.
- Clean tools with soap and water immediately after use. Dried material can only be removed mechanically

TEST RESULTS

TEST	METHOD	CRITERIA	RESULT
VOC	ASTM D3960 (based in part on EPA method 24)	Report Value	< 50 g/L less water and exempt solvents
Accelerated Weathering	ASTM G 23	No deleterious effects after 2000 hours.	Pass
Accelerated Weathering	ASTM G 53	No deleterious effects after 7500 hours.	Pass
Water Resistance of Coating in 100% R.H.	ASTM D 2247	No deleterious effects after 14 days exposure	Pass
Water Vapor Transmission	ASTM E96 Method B	Report Value	Alpha Genie Coat with Flexguard 4 and Senerflex Finish: 15.1 Perms
Surface Burning Characteristics	ASTM E 84	Report Value	Flame Spread < 25 Smoke Development < 450 (Class A)
Tensile Bond	ASTM C297, E2134	15 psi minimum	> 15 psi

SURFACE PREPARATION

Substrates must be clean, dry, sound and free of loose material, releasing agents, paint, efflorescence, contaminants and bond inhibiting coatings. SikaWall-20 Surface Stabilizer WB for chalky or previously painted concrete and masonry surfaces prior to application of base coat.

- Concrete: allow to cure a minimum of 28 days prior to application of base coat.
- Unit Masonry: allow to cure prior to application of base coat.
- Stucco: allow to cure a minimum of 6 days prior to application of base coat.

APPLICATION AS LEVEL COAT

- To level unit masonry so that joints are not visible, apply Alpha Genie up to 1/8" (3.2 mm) over the block face, filling joints and covering block surface with a smooth coating. If block joints are not struck flush, install a second coat, and repeat process over first application after it has dried. Maximum total thickness should not exceed 1/4" (6.4mm).
- To level concrete substrates, grind down irregularities higher than 1/4" (6.4 mm). Fill voids of up to 1/8" (3.2 mm) with Alpha Genie. Then apply a 1/8" (3.2 mm) leveling coat of Alpha Genie over the concrete substrate.

Note: Allow to cure for at least 24 hours before applying finish.

APPLICATION AS BASE COAT FOR REINFORCING MESH EMBEDMENT

Trowel apply base coat to the surface of the insulation board or approved substrate. Fully embed reinforcing mesh in to wet base coat, ensure no mesh color is visible. Lap reinforcing mesh a minimum 2 1/2" (64 mm) at edges and 8" (203 mm) around corners. Ensure reinforcing mesh is free of wrinkles. Allow reinforced base coat to dry hard (normally 8 to 10 hours) prior to application Senergy Finish or SikaWall-15 Tinted Primer.

DRY TIME

As a leveler allow to cure 24 hours prior to finish application. As base coat for mesh embedment allow 8-10 hours. Alpha Genie achieves full strength in approximately 28 days. Protect from rain and temperatures of less than 40°F (4°C) for a minimum of 24 hours. Higher humidity and/or cooler temperatures may require longer protection.

LIMITATIONS

1. Not for use directly over wood-based substrates or metal.
2. Do not exceed applied thickness of 1/4" (6.4mm).

3. Efflorescence of Portland cement-based substrates such as concrete, masonry units and stucco may cause staining or discoloration on the surface of applied base coat.
4. When temperatures less than 40°F (4°C) prevail, provide supplementary heat during installation and drying period for at least 24 hours after installation and until dry.
5. Do not apply in ambient temperature above 100°F (38°C) or surface temperature above 120°F (49°C)
6. Do not apply materials to frozen surfaces.
7. Not for use on damp surfaces, below-grade applications or on surfaces subject to water immersion.

SHIPPING & STORAGE

- Protect materials during transportation to avoid physical damage. Store in a cool, dry place protected from freezing, extreme heat and direct sun. Store at no less than 40°F (4°C).
- Do not stack pallets.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting usa.sika.com/senergy, e-mailing your request to mbsbcst@mbcc-group.com or calling +1 (800) 433- 9517. Use only as directed.

IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.

TECHNICAL SUPPORT

Consult Sika Facades Technical Services Department at +1 (800) 589-1336 for specific recommendations concerning all other applications. Consult the Sika Facades website at usa.sika.com/senergy, for additional information about products and systems and for updated literature.

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