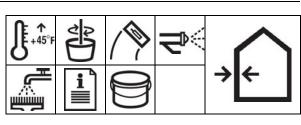
Sto Gold Fill[®] and StoGuard[®] Meshes 80266 Sto Gold Fill

80267 StoGuard® Mesh 4.25" 80268 StoGuard® Mesh 9.5"



StoGuard [®] Mesh			ASTM (D-5035) ST		ISILE RENGTH ST ALKALINE	STRENGTH	mixed, flexible, joint treatment and air barrie material for vertical abo	
DESCRIPTION	WT/SQ YD.	WIDTH OF ROLL	LENGTH OF ROLL	WAR	P WEFT	SOAK (EIMA 105.01)	grade walls. It is applie rough openings, corne	
StoGuard Mesh 4.25"	5 oz.	4.25" (11 cm)	150' (45.7 m)	150	165	> 120	and sheathing joints in with StoGuard Mesh.	
StoGuard Mesh 9.5"	5 oz.	9.5" (24 cm)	150' (45.7 m)	150	165	> 120	StoGuard Mesh is a gl fiber self-adhesive me	
StoGuard [®] Ass	embly wit	h Sto Gold Fill	[®] and Sto Gold Co	oat [®]			use with Sto Gold Fill.	
REPORT	TEST METHOD TEST CRI		RIA		TEST RESULTS		 For waterproofing, app Sto Gold Coat or Sto 	
Aging/Water Penetration Resistance	AATCC 127 (Water Colu		fter aging after aging 332 inches		0 0	ation before and vater penetration at cm) head of water	EmeraldCoat [®] to the sheathing and Sto Gold Sto Gold Fill and StoGu - Mesh are part of the	
Structural Loading / Water Penetration Testing	ASTM E-123 ASTM E-33	3/ No water at exterior plane of sheathing (exterior gypsum, Dens-Glass [®] Gold, plywood, OSB) after 10 cycles @ 80% design load and 75 minutes water spray at 6.24 psf (299 Pa) pressure differential with water spray rate of 5 gal/ft ² -hr (3.4 L/m ² -min)			No water penetration		StoGuard Assembly w a liquid applied buildin that offers a superior waterproof air barrier. StoGuard can be used beneath various cladd	
Cyclic Pressure/ Water Penetration Testing	ASTM E-283 ASTM E-337	1 of elevated sheathing a 299 Pa (6.2 pressure fo	No water penetration or evidence of elevated moisture levels in plywood sheathing after 10 cycles of conditioning at 299 Pa (6.24 psf) positive and negative pressure followed by 75 minutes water spray at 6.24 psf (299 Pa) pressure			ation, no elevated	including brick, wood, or fiber/cement sidings as part of StoTherm [®] I ICC Code Recognitio	
Freeze/Thaw Resistance	ICBO Metho (AC 24)	gal/ft²-hr (3. od No visible e	differential with water spray rate of 5 gal/ft²-hr (3.4 L/m²-min) No visible effects (cracking, checking, delamination, erosion) when viewed at			erious effects after at	- Coverage StoGuard Mesh 4.25" cm) x 150 ft ² (45.7 m).	
	. ,	5x magnific	ation					
Water Vapor Transmission Sto Gold Fill	ASTM E-96 Measure Method B				Sto Gold Fill: 7.10 perms [408 ng/(Pa⋅s⋅m²)]		StoGuard Mesh .5" (24 150 ft² (45.7 m).	
	(Water Meth	,	0.1.77				- Sto Gold Fill: One pail	
Air Leakage: Wall Assembly with Sto Gold Fill	ASTM E-283 (SBCCI PST ESI Method)	& [0.00030 L/	² @ 1.57 psf s·m²) @ 75 Pa]		0.0044 cfm/ft² [0.000022 L/(s·m²)]		treat approximately 17 linear feet (53-76 m) of	
Air Leakage: Sto Gold Fill	ASTM E-283		/ft² @ 1.57 psf m² @ 75 Pa)		< 0.0002 cfm/ft ² < (0.0014 L/s·m ²	2)	 sheathing joints and rc openings. Coverage m vary depending on 	
Air Leakage: Sto Gold Fill	ASTM E-217		/ft² @ 1.57 psf m² @ 75 Pa)		0.0002 cfm/ft ² (0.0014 L/s·m ²)		application technique, sheathing type, the siz	
Structural Integrity	ASTM E-330	(positive an	1 mm) water pressure d negative) for 1 hour		No loss of struct	<i>c .</i>	sheathing joints and th number and condition	
Dry Tensile Strength: Sto Gold Fill	ASTM D-88		20 lbs/in (3503 N/m) minimum before and after aging		Sto Gold Fill: 159 pli (27.8 kN/m) before aging; 213 pli (37.3 kN/m) after aging		rough openings. Packaging Sto Gold Fill: 5 gallon (
Flexibility	ASTM D-52		or delamination using 1/ ndrel at 14º F (-10º C) bef ging		No cracking or d before & after ag		pail. Shelf Life	
Tensile Adhesion	ASTM C-29				kPa) Gypsum (ASTM (206 kPa) Exposure 1 OSE	C79): > 30 psi (206 C1177): > 30 psi 3: > 50 psi (344 kPa) d: > 90 psi (620 kPa)	 12 months, if properly and sealed. Storage Protect from extreme h [90°F (32°C)], freezing direct sunlight. 	

material for vertical above grade walls. It is applied to rough openings, corners, and sheathing joints in walls with StoGuard Mesh. StoGuard Mesh is a glass liber self-adhesive mesh for use with Sto Gold Fill. For waterproofing, apply Sto Gold Coat or Sto EmeraldCoat[®] to the sheathing and Sto Gold Fill. Sto Gold Fill and StoGuard Mesh are part of the StoGuard Assembly which is liquid applied building wrap hat offers a superior waterproof air barrier. StoGuard can be used beneath various claddings ncluding brick, wood, vinyl, or fiber/cement sidings and as part of StoTherm[®] NExT.

CC Code Recognition

Coverage

StoGuard Mesh .5" (24 cm) x 150 ft² (45.7 m).

Sto Gold Fill: One pail will reat approximately 175-250 inear feet (53-76 m) of sheathing joints and rough ppenings. Coverage may ary depending on application technique, sheathing type, the size of sheathing joints and the number and condition of ough openings.

Packaging

Sto Gold Fill: 5 gallon (19 L) bail.

2 months, if properly stored and sealed.

Storage

Sto Gold Fill[®] StoGuard[®] Mesh 4.25" StoGuard[®] Mesh 9.5"

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS			
Surface Burning	ASTM E-84	Flame Spread: < 25 Smoke Developed: < 450	Flame Spread: 5 Smoke Developed: 10 NFPA Class A, UBC Class 1 Building Material			
Fire Testing	UBC 26-9	No increase in fire hazard	Pass			
VOC (g/L)	This product complies with US EPA (40 CFR 59) and South Coast AQMD (Rule 1113) VOC emission standards for architectural coatings. VOC less than 100 g/L.					

Features Benefits Reduces risk of condensation caused by air leaks through the wall construction; Air Barrier 1 reduces energy costs by reducing heating/cooling loads 2 Vapor Permeable Moisture does not get trapped in the wall cavity No air leakage between the sheathing and StoGuard; rigid and stable under air 3 Structural pressure loads; does not tear or blow off the wall with wind 4 Seamless No tears, holes, or mislapped joints that can compromise performance in service Does not tear or lose its effectiveness with exposure to weather during construction 5 Durable or while in service **Resists UV Degradation** 6 Gives peace of mind if construction delays occur 7 Water Based Safe non-toxic, VOC compliant

Surface Preparation

Surfaces must be clean, dry, and free of frost, damage and all bondinhibiting materials, including dirt, efflorescence, form oil and other foreign matter. Damaged sheathing must be removed and replaced. Avoid application over irregular surfaces. Substrate to be coated must be continuous without joints, holes, etc. exceeding 1/32" (0.8 mm) in size. Sheathing must be properly installed as required by applicable building codes or sheathing manufacturer.

Mixing

Mix with a clean, rust-free electric drill and paddle to a uniform consistency.

PRODUCT MUST NOT BE THINNED OR DILUTED.

Application

Apply only to sound and clean, dry, properly prepared, frost-free surfaces.

Installation over Sheathed Wall Construction:

Place minimum 4 inch (101 mm) wide mesh at sheathing joints and minimum 9 inch (152 mm) wide mesh at rough openings and inside and outside corners (refer to Sto detail 20.23a). Immediately apply Sto Gold Fill by spray or trowel over the mesh and trowel smooth. Protect from rain and freezing until dry. Spot fasteners, knots, or other voids in sheathing surface with Sto Gold Fill.

For waterproofing, apply Sto Gold Coat or Sto EmeraldCoat to sheathing and Sto Gold Fill. See Sto Gold Coat or Sto EmeraldCoat product bulletins for more information.

Material Storage

Keep containers covered to protect from skinning. If skin forms, remove the skinned material from container; remaining material is unaffected by skinned material.

Curing/Drying

Sto Gold Fill is dry to touch and can be over coated within 4 hours under normal [70°F (21°C), 50% RH] conditions. Final drying varies depending on temperature/humidity and surface conditions. Final drying time varies depending on temperature/humidity and surface conditions.

Protect from rain and freezing until completely dry.

Clean Up

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

Sto Gold Fill[®] StoGuard[®] Mesh 4.25" StoGuard[®] Mesh 9.5"

Limitations

- Apply only when the surface and ambient temperatures are above 40°F (4°C) and below 100°F (38°C) during application and drying period.
- Not recommended for use when cool, damp conditions exist for prolonged periods. Cool, damp conditions retard drying and may require extended periods of protection.
- Do not use on damp surfaces, below grade, or on surfaces subject to water immersion.
- Fire-retardant treated or pressure treated plywood substrates must be dry and free of all bond-inhibiting materials.
- Not recommended for spanning sheathing joints or holes in excess of 1/8" (3 mm) wide.
- * Dens-Glass Gold is a registered trademark of G-P Gypsum Corp.

StoGuard Mesh:

- High humidity or adverse weather may • result in loss of adhesion prior to application of Sto Gold Fill. Immediately cover with Sto Gold Fill to prevent loss of adhesion
- Avoid contact with dirt and debris which will cling to self-adhesive side of mesh.
- Not for use on concrete or masonry surfaces. Use Sto Detail Mesh embedded in Sto Gold Fill for these surfaces.

For complete information refer to StoGuard Air Barrier and Moisture Control Handbook.

Health And Safety

Health Precautions

Product is water-based. As with any chemical construction product, exercise care when handling.

Safety Precautions

Use adequate ventilation. Safety goggles and protective gloves are recommended. Remove contaminated clothing immediately.

First Aid

SKIN CONTACT: Wash thoroughly with soap and water.

EYE CONTACT: Flush immediately with water for 10-15 minutes and contact a physician.

RESPIRATORY PROBLEMS: Remove affected person to fresh air immediately and contact a physician.

HYGIENE: Wash hands immediately after use. Wash clothing before re-use.

Spills

Collect with suitable absorbent material such as cotton rags.

Disposal

Dispose in accordance with local, state or federal regulations.

Warning

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY.

Consult the Material Safety Data Sheet for further health and safety information.

Material Safety Data Sheet (MSDS) is available at www.stocorp.com.

LIMITED WARRANTY

This product is subject to a written limited warranty which can be obtained free of charge from Sto Corp.

Refer to Sto Specifications for more complete information on proper use and handling of this product.

Sto Corp.

3800 Camp Creek Parkway Building 1400, Suite 120 Atlanta, GA 30331

Tel: 404-346-3666 Toll Free: 1-800-221-2397 Fax: 404 346-3119

www.stocorp.com



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