

S-3500 Elastique Matting™

TECHNICAL DATA SHEET

DESCRIPTION

S-3500 Elastique Matting™ is an alkaline-resistant, fiber-mesh matting used in crack repair treatment and deck systems. It is primarily used in conjunction with S-9300 Bond-Kote® (a thin-set material) to resist crack reflection after cracks have been treated. S-3500 Elastique Matting is designed to be embedded into S-9300 Bond-Kote to cover treatable cracks. S-3500 Elastique Matting is not designed to be a structural repair product for cracks, since cracks will likely return. This product is not for use over cracks repaired using flexible fillers such as elastomeric, urethane or other types of caulking materials or moving cracks. S-3500 Elastique Matting is for use over rigid repairs only.

USES

Treatable Cracks in Concrete
Concrete Roof Repair
Decks and Walkways
Anywhere a concrete surface has a treatable crack

Decorative Overlays
Tennis Courts
Walls

ADVANTAGES

Alkaline Resistant
Convenient Sizing
Can Be Placed Monolithic

High Strength
Resists Reflective Cracking
Easy to Apply

CSI RELATED SECTIONS

32 01 19.62 - Patching of Rigid Paving
32 01 26.74 - Concrete Overlays
32 13 00 - Rigid Paving
32 16 00 - Curbs and Gutters
32 18 00 - Athletic and Recreational Surfacing



SURFACE PREPARATION

Surfaces that are to be repaired or coated must be structurally sound. Damage such as surface deterioration, cracks and spalls can be repaired and/or treated. However, structural integrity is critical to the overall success of any coating or overlay. Remove any loose, soft or contaminated materials from the area that is to be repaired or resurfaced. Any existing coatings, sealers, curing agents, bond-breakers, etc. must be removed from the surface to provide direct contact with the original substrate. Typical preparation methods may include scraping, water blasting, sand blasting, shot blasting, cleaning and degreasing.

Refer to the Super-Krete Products Crack Repair Guide for more information on installation.

Note: All expansion joints must be honored. Clean and honor all control joints and expansion joints during entire application process, or mark them for reestablishment after application. Clean and treat all cracks and spalls in accordance per Super-Krete specifications. S-3500 Elastique Matting is not a remedy for structural cracks. S-3500 Elastique Matting is not to be used to cover up or hide expansion, contraction or control joints.

APPLICATION (Isolated Cracks)

Remove all loose material or other contamination mechanically or by high-pressured air. Fill all large cracks with S-9300 Bond-Kote® and remove any remaining S-9300 Bond-Kote on the surface. Lightly dampen the cracked area and trowel or brush to apply S-9300 Bond-Kote over the crack. Immediately press S-3500 Elastique Matting into S-9300 Bond-Kote using a trowel or paint brush. Allow S-9300 Bond-Kote to dry and ensure that the matting is tightly embedded. Apply S-9300 Bond-Kote over the treated crack area to completely cover the matting. Crack treatment must be allowed to dry for 24 hours before allowing traffic. Additional cure time may be required for indoor repairs (refer to the **Super-Krete Products Crack Repair Guide** for more information).

Super-Krete Products is a Division of Arizona Polymer Flooring, Inc.

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PROPERTIES				
Specifications:	1. FS L-S-125B	4. ASTM D 1777	7. ASTM D 3656	10. TMS-TM-009
	2. TMS-TM-001	5. ASTM D 5035	8. CS 248-64	11. ASTM D 3775
	3. ASTM D 3776	6. ASTM D 1117	9. TMS-TM-003	12. ASTM D 5034
				13. ASTM D 4912

Characteristic	Specification Requirements	Test Method	Results
MESH (end/inch)	Warp- 10±½ Fill- 8 ±½	(11)	Warp 10.2 Fill 8.0
YARN Diameter (inch)	Warp- .013±0.001(2)		.0130
Breaking Strength (1b)	N/S		
1" Cut strip Method Grab Method		(5) (12)	A. 94.877.1 B. 102.3 76.3
Tearing Strength Rapezoid method	N/S	(6)	16.2 15.8
YARN Slippage Resistance (1b)	N/S	(13)	16.6 17.5
Stiffness	N/S	(7)	280 254
<p>NS* No specification has been established at this time. Results in these categories present actual test results from individual test samples.</p>			

Characteristic	Specification Requirements	Test Method	Results
Mesh Wt. (oz/yd²)	N/S	(3)	2.64
Fabric Thickness (inch)	N/S	(4)	.016
Bond Strength (1b)	N/S	(8)	1.5
Flame Resistance (sec)	10 sec max after flame	(1)	3.7
Openness Factor (z)	N/S	(10)	73.9
Blocking	Scale 1 max	(1)	Scale 1
Bursting Strength	N/S	(1)	
	A. Initial		95 psi
	B. After 24 hr H ₂ O Soak		83 psi
	C. After 24 hr H ₂ O Soak and 48 hrs air dry		80 psi
	D. After 240 hrs accelerated weathering		N/A
<p>NS* No specification has been established at this time. Results in these categories present actual test results from individual test samples.</p>			

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Coverage

(1) 3' X 600' roll = 1800 sf (must allow for overlapping)

(1) 6" X 600' roll = 300 sf (to be applied along crack)

**Coverage rates will vary, these are approximations only. Actual coverage will vary due to substrate conditions and surface porosity.*

Shelf Life

5 Years when properly stored.

Storage

Store in a cool, dry place. Keep from moisture. Keep from freezing.

Tools Required

Empty 5 gallon pail

Drill

Trowel(s)

Pump sprayer

Mixing Paddle

Brush

Appearance

White fiber mesh

Odor

None

Packaging

6" x 600' roll

3' x 600' roll

CAUTION

Keep away from children. Do not take internally. Always use safety gloves, appropriate eye protection, and appropriate OSHA/NIOSH approved respirator in areas with poor ventilation and when exposed to spray mist both indoors and outdoors. If ingested, seek medical attention immediately.

LIMITATIONS:

Super-Krete Products are to be applied only when surface temperatures are above 55°F and rising and not to exceed 100°F. Super-Krete Products are not to be applied when precipitation is expected within 24 hours following completion of application. Do not allow materials to freeze. Each Super-Krete product acts as an inherent part of a proven system. Super-Krete Products are professional, contractor grade products. Training in the use of these products is available. Consult a Super-Krete Products representative for information and assistance locating approved contractors in your area or for training class dates.

MOISTUREVAPOREMISSIONSPRECAUTIONS:

All concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride testing in compliance with ASTM F1869, or relative humidity probe testing in compliance with ASTM-F2170, to determine if excessive levels of vapor emissions are present before applying any coatings. Arizona Polymer Flooring offers **S-1300 Pene-Krete®** for cementitious overlay products and **VaporSolve® Moisture Remediation** systems for resinous floor coatings. Consult our technical service department. Arizona Polymer Flooring and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

WARRANTY:

Arizona Polymer Flooring guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. ARIZONA POLYMER FLOORING MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Arizona Polymer Flooring shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Arizona Polymer Flooring shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.

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