S-45 TEXTILE GLASS CLOTH

PRODUCT DESCRIPTION:
S-45 is an asphalt-impregnated, open mesh woven glass cloth made from inorganic glass fibers and lightly covered with a bituminous coating. This coating is compatible with high-grade oxidized asphaltic compounds, like S-41 Corrosion Resistant Membrane. S-45's open meshes are not completely closed by the bituminous coating. This allows sufficient porosity to permit successive applications of the hot melt asphaltic compound to interlock.

USES:
S-45 provides additional structural reinforcement in corners, trenches, movement joints or areas where the substrate changes direction or is otherwise structurally weak.

TECHNICAL DATA: Physical Properties

Property	Test Method	Value
Thread count		20 x 10/in.
Weight, Saturated		2 oz./sq. yd. min.
Moisture Content		2% max.
Tensile Strength @ 70°F (with the warp)	ASTM D146	75 lbs./in. min.
Tensile Strength @ 70°F (with the fill)	ASTM D146	75 lbs./in. min.

CAUTION:
DO NOT coat or cover the surface of S-45 with talc or other substances that would tend to interfere with the adhesion between the fabric and the asphaltic compound.

APPLICATION OF S-41 AND S-45 TEXTILE:
Substrate temperature and atmosphere must be 50°F to 90°F. Substrate must be 5°F above the dew point. Substrate must be protected from direct sunlight and all water and weather until chemical final surface has been installed. Substrate must also be dry enough to pass the ASTM D 4263 Plastic Sheet Test Method.

Heat S-41 to a temperature of 350 degrees F to 400 degrees F (177 degrees to 204 degrees C). Pour three or four gallons at a time on the primed concrete and quickly spread to a uniform thickness by squeegee. The squeegee should be straight-edged piece of Masonite, or similar, of such size as to be able to be worked with one hand. In order to build up a 1/8" (3mm), layer two or three applications are required. Seventy-five pounds (34 kg) of S-41 should be applied per 100 sq. ft. (9.3 sq. M) as a total of two or more layers **before** the cloth is installed. Each application layer should be thin so that all bubbles in the S-41, resulting from the freeing of air and moisture entrapped in concrete, will be broken.

Inspect for pinholes after each application and mark any defects with chalk. In subsequent applications, it is essential that all marks be covered. **After** the 75 pounds per 100 sq. ft (1/8" 93mm) layer of S-41 has been applied, S-45 textile is placed on its surface and smoothed out as much as possible. All edges must be overlapped at least 2 inches (50 mm). **The final** 1/8" (3mm) layers of S-41 are then applied as noted above making sure to apply 75 lbs. (34 kg) of S-41 per 100 sq. ft. (9.3 sq. M) to assure a 1/8" (3mm) minimum thickness. Fine silica flour can be sprinkled over the finished surface to prevent it from sticking to workers' shoes or to boards laid down for use as walkways. If the silica flour is used between layers, be certain to remove it completely before applying the next layer, otherwise the silica flour will act as a bond breaker and the layers will not adhere to each other.

No traffic or equipment must be permitted on the S-41 membrane until the brick sheathing, that is always required, is installed and the setting mortar at minimum has fully cured.

COVERAGE:
110 sq. ft of S-45 covers approximately 100 sq. ft of area. When laying multiple sheets of S-45 overlap the ends by 2".

PACKAGING:
S-45 is available in 450 sq. ft rolls.

SPECIFICATIONS:
Material: S-45 textile shall be used with S-40 and S-41 when a reinforcing fabric is specified in the chemical resistant membrane. S-45 shall be an open mesh woven glass cloth made from inorganic glass fibers and lightly covered with a bituminous coating. S-45 shall be supplied by Summitville Tiles Inc., Summitville, Ohio.