

Product Data Sheet

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Sika Reemat/Flexitape Systems

Sika® Reemat (Reemat™)/Flexitape Systems

A nylon mesh for use with Sikalastic Systems

Sika Flexitape Systems**Description**

Sika Flexitape is a nylon mesh which, unlike conventional scrim, is readily capable of stretching within the membrane to accommodate a high degree of thermal and structural movement. It is embedded into Liquid Plastics' coatings to impart additional tensile strength and durability, and is available in two standard grades with various widths. Light Duty Flexitape may be used to provide local reinforcement over stable cracks and joints, while Sika Flexitape Heavy is used over joints or cracks liable to movement and for bridging gaps between substrates. Both grades will follow surface contours and may easily be molded over complex detail work. Sika Flexitape can also be used in the construction of expansion joints.

TECHNICAL DATA

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Sizes

Sika Flexitape Light
2 in and 6 in wide rolls; 164 ft length.

Sika Flexitape Heavy
3 in and 6 in wide rolls; 164 ft length.

Sika Reemat Glass Fiber Mat (GFM) Systems**Description**

In addition to the flexitape products, there are two Reemat GFM reinforcement systems, each consisting of a purpose designed, surface treated blown glass mat that is embedded into various Liquid Plastics' coatings in order to provide additional strength and durability. The randomly oriented fibers within the mats give maximum multi-directional tensile strength to the membranes while allowing them to remain highly elastomeric. They may be used for total or partial reinforcement and may easily be molded around protrusions, joints, corners and other surface detail. The lighter grade is Sika Reemat Standard and the heavier grade is Sika Reemat Premium.

Sizes

Sika Reemat Standard
39-inch wide roll; 656 ft length; total area = 2164 sq ft

Sika Reemat Premium
51-inch wide roll; 492 ft length; total area = 2091 sq ft

Application Guide**Total reinforcement coverage**

Following preparation and any priming there are three basic stages of providing total reinforcement of Sika Reemat Standard and Sika Reemat Premium grades:

Detail work/embedment: When working on protrusions, up-stands, parapets or other fixtures and fittings which are not part of the main horizontal or vertical substrate, pre-cut required lengths of Reemat. Apply coating to the area to be reinforced using a brush and/or medium length pile roller. Immediately lay the pre-cut lengths of Sika Reemat reinforcement onto the wet coating and firmly embed.

Large area/embedment: Apply the coating at the correct coverage rate, working on 30-50 ft.2 at a time. Lay Sika Reemat onto the wet coating and firmly embed.

Procedure: Smooth surfaces

Use a short pile roller to embed either grade of Reemat into the wet coating applied at the quoted coverage rate. Use a longer nap roller over irregularities or stepped joints, as this gives better contact with surface contours. Smooth down proud fibers with the short pile roller.

Sika Reemat Standard: Unroll over the wet area and embed completely with the roller. Repeat the process in stages.

Sika Reemat Premium: Pre-cut lengths from the roll. Only when the roll is half used should the unrolling technique be employed.

Procedure: Irregular surfaces

Follow the same procedure for smooth surfaces but use the longer nap roller. Exert more pressure at the embedment stage. Sika Reemat Standard grade may lift initially, but like the Premium grade, the fiber coating will wet out in the embedment coating and lay in place. Avoid pinholes at this stage.

Top Coat: Apply the top coat(s) only when the embedment stage is dry or cured (this is usually overnight).

By Roller: Requires one or two coats, dependent on the system. Where top coat does not exceed 53 ft²/gallon one coat is sufficient. Above this, two coats may be required, splitting the quantity into two roughly equal amounts.

By Brush: Always requires two finishing coats with two even applications at right angles to each other.

By Airless Spray: May be used to apply one finishing coat.

Partial reinforcement coverage

There are two types of application methods for applying partial reinforcement with Sika Flexitape: application by direct laying over cracks, steps and joints, or application by partial disbondment over expansion joints and major movement cracks. The Sika Flexitape system is laid directly as a preliminary step prior to full over-coating of the substrate. A wet coat of membrane is laid at the specified application rate on either side of the defect. The tape is embedded, without stretching, into the wet coating by gentle brush pressure. Further coating is applied to obliterate the tape. Once dry or cured this is then overcoated

Construction

as part of the overall membrane application. Expansion joints or major cracks upon which movement is known to be centered require a degree of disbondment to allow the creation of flexible bellows, thereby avoiding stress cracking. Apply a minimum 1" width of release tape over the joint/crack. Apply a full layer of the coating and embed the Reemat Heavy Duty Flexitape into it, centered on the joint/crack. Apply a further wet coating to obliterate the tape.

Note: The Sika Flexitape must exceed the masking by at least 1 ½" either side to give adhesion. Consult with LPI for specific recommendations

Health & Safety

Please refer to the MSDS prior to use.

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