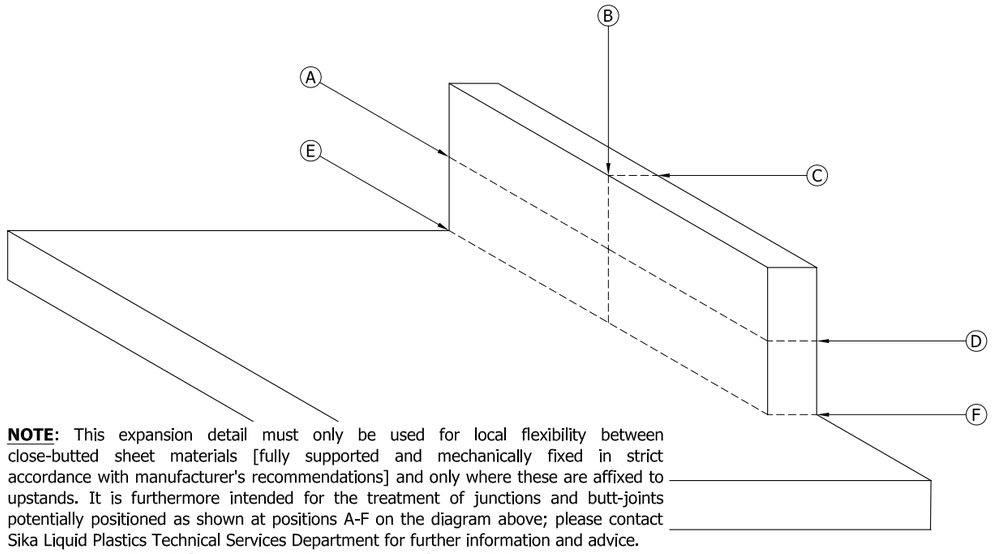
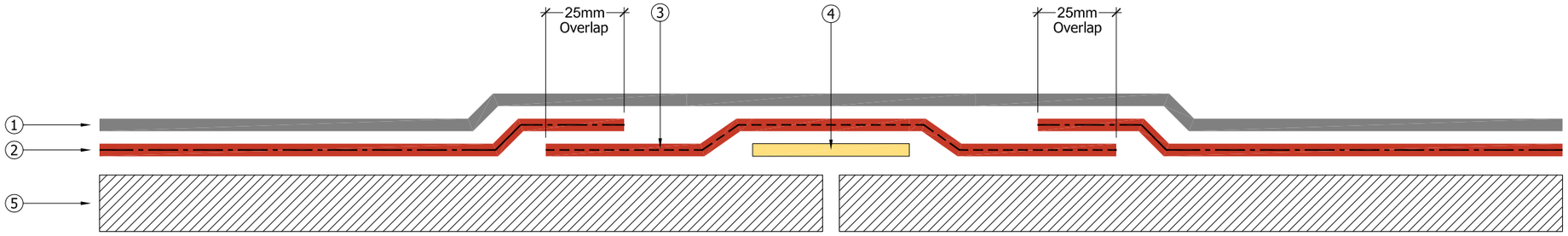
Key

1. Decothane Top Coat as per Sika Liquid Plastics Project Specification
2. Decothane Base Coat with embedded Reemat Premium GFM as per Sika Liquid Plastics Project Specification
3. Initial stripe coat of Decothane Base Coat from a loaded brush or roller with embedded 150mm Heavy Duty Flexitape
4. 50mm wide masking tape installed centrally over every board butt-joint [A, B, C, D] and junction [E, F]
5. Sheet material surfaces prepared and primed in strict accordance with Sika Liquid Plastics Project Specification



NOTE: This expansion detail must only be used for local flexibility between close-butted sheet materials [fully supported and mechanically fixed in strict accordance with manufacturer's recommendations] and only where these are affixed to upstands. It is furthermore intended for the treatment of junctions and butt-joints potentially positioned as shown at positions A-F on the diagram above; please contact Sika Liquid Plastics Technical Services Department for further information and advice.

Butt-Joints = A, B, C, D **Junctions** = E, F



Typical application shown horizontal; this detail can be used in all locations including internal and external corners

Sheet Materials: New sheet materials should be laid and fastened at centres to meet design requirements and be of adequate thickness and rigidity to meet the purpose of use. Preservative treatments are not recommended. All works and materials are deemed to be in strict accordance with current regulations, relevant standards, codes of practice and manufacturer's recommendations.

Exposed Sheet Material Surfaces: Apply a coat of **Sika Liquid Plastics Quick Cure Primer** to prepared, sound exposed timber/plywood surfaces by brush and leave to dry for 30 minutes before overcoating. Quick Cure Primer **must** be overcoated within a three day period of the initial application or a consequential second coat should be applied.

Junctions and Butt-Joints in Sheet Materials - Parapets: In order to accommodate expansion/contraction of sheet material butt-joints and prior to applying the waterproofing membrane, **apply a strip of 50mm masking tape centrally over the joint to act as a bond break**, apply a full coat of **Decothane Base Coat**, approximately 50mm wider than the Flexitape to be used and whilst wet, insert **150mm Reemat Heavy Duty Flexitape** into the wet membrane by gentle pressure from a loaded brush, thus applying further material until the tape is obliterated. Allow this initial flexible membrane sufficient time to cure before commencing with the Base Coat.

Tape Tension: Embed **150mm Reemat Heavy Duty Flexitape** into the wet membrane without tension or stretching of the tape. Lay the tape as naturally as possible, direct from the roll, inner face upwards in order to avoid edge curl.

Base Coat: Apply an initial embedment coat of **Decothane Base Coat** to the prepared sheet material surfaces using a minimum quantity of **1.0** litre per square metre [equivalent to a maximum spread rate of **1.0** square metre per litre] and whilst wet, reinforce by inserting Reemat Premium glass fibre matting lapped on to both sides of the 150mm Flexitape by 25mm, thus leaving 100mm unreinforced; [**Note:** do not apply the Reemat Premium Glass Fibre Matting over the entire Flexitape Detail as this will severely restrict the intended flexibility of the detail]. Use a roller to completely embed and thoroughly saturate the Reemat Premium. Overlap all cured, adjacent, previously laid areas by 50mm ensuring sufficient embedment material is applied. At this stage, check the coating for pinholes and/or exposed matting and apply further material to correct if necessary. Allow to dry before applying the top coat.

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This drawing is solely intended to illustrate the correct application of Sika Liquid Plastics products and systems, it must be read in conjunction with the appropriate specification and current issue of relevant Technical Data Sheets. All elements bearing reference to structural and/or thermal design are shown indicatively and **should not be used** in whole or in part for any aspect of project design without consulting the relevant authorities.

For refurbishment projects, all aspects of the existing roof are deemed to be fully compliant with **BS 6229:2003** [Code of Practice for Flat Roofs with Continuously Supported Coverings] or improved upon for instances where these standards are not met.

Site-specific details not covered by our range of Standard Details can be obtained by providing relevant information to the email address shown.

Project №

DWG № | Revision

Project:

Drawing Title:
Waterproofing Bond Break Detail application instructions to allow movement on boarded upstands

Scale: NTS @ A3 | Drawn:

Date:

Liquid Plastics
Understanding Roofing