

# Sikalastic RoofPro Advanced – 10 Metal

## SCOPE

This is an outline specification and should be use for guidance only. If you have any specific issues please contact your local distributor for more assistance.

## PREPARATION

In most instances a primer is not required, however, where the application surface is showing signs of visible corrosion, then the area must be prepared to a standard equivalent to St 2 or St 3 using a wire brush or powered hand tool.

Any loose dust or rust particles must be wiped away and a coat of Sika Metal Primer applied to stabilise the surface prior to the installation of the **Sika Joint Tape SA<sup>®</sup>**.

Surfaces must be dry and free from condensation and a minimum of 3° C above dew point.

## PRIMING

All relevant surfaces should be primed in accordance with product data sheets.

## LOCALISED REINFORCEMENTS – METAL SHEET END LAPS

In order to ensure a close bond of the tape, tightly following the profile of the sheets, it is necessary to install **Sika Joint Tape SA<sup>®</sup>** on the end laps prior to installation on the side laps.

Apply 6" (152.4mm) wide of **Sika Joint Tape SA<sup>®</sup>** to the prepared substrate by removing 4"-6" (102mm-152mm) of release liner from the underside and position the tape centrally across the lap joint of the top and bottom sheet. Press firmly in place.

Adjust the position of the tape if necessary to encapsulate both the lap and any fixings. The lap and the fixings must be completely encapsulated by the 6" (150mm) tape, leaving at least 25mm of tape above the fixing and 50mm below the lap.

**Note:** Where this cannot be achieved, it will be necessary to reinforce the fixings first using square sections of 3" (75mm) tape. The 6" (150mm) tape will then need to be applied centrally over the lap joint.

Continue to remove the release liner, whilst moving across the lap joint. Be careful to follow the profile of the metal sheet and ensure full and even contact. Use a penny roller to ensure the tape is pressed firmly where the bottom of the sheet profile intersects with the flat area.

Once in place, always apply additional pressure to the surface to fully activate the bonding process.

Compress any creases and remove any trapped air. Where trapped air bubbles cannot be removed by a roller, use the tip of a Stanley blade to pierce and press flat using a hard roller for best results.

The firmer the pressure applied, the faster and stronger the bond.



## LOCALISED REINFORCEMENTS – METAL SHEET SIDE LAPS

Apply 6" (76.2mm) wide **Sika Joint Tape SA<sup>®</sup>** to the prepared substrate by removing 4"-6" (102mm-152mm) of release liner from the underside and position centrally over the side lap, ensuring that both the side lap and all lap fixings are sufficiently covered. Press into place.

Continue to remove the release liner, whilst moving down the joint and pressing firmly onto the substrate surface. Once in place, always apply additional pressure to the surface to fully activate the bonding process. Compress any creases and remove any trapped air.

Where trapped air bubbles cannot be removed by a roller, use the tip of a Stanley blade to pierce and press flat using a hard roller for the best results. The firmer the pressure applied, the faster and stronger the bond.

## LOCALISED REINFORCEMENTS - NON-LAP BOLT HEADS (SHEET TO SHEET FIXINGS)

Prior to application of **Sika Joint Tape SA<sup>®</sup>** ensure that any loose fixing caps and immediate surface corrosion is removed with a wire brush to a preparation standard equivalent to St 2 or St 3 with a wire brush or powered hand tool.

Where there is visible corrosion or surface delamination, ensure that the area receiving the tape is suitably prepared and primed if necessary.

Two methods of reinforcing the bolt-heads are available:-

### Method One

Using the 3" (75mm) wide roll, cut a piece of tape which is approximately 3" x 4" (76mm x 100mm) in size and remove the release liner. Turn the tape to a diamond shaped position and press firmly into place, ensuring that the fixing is located underneath the most central point of the tape.

### Method Two

Using the 3" (75mm) wide roll, cut a piece of tape which is approximately 3" x 5" (76mm x 130mm) and remove the release liner. With the longest length of the tape running top to bottom of the sheet (following the pitch of the roof), apply the tape over the bolt-head.

Ensure that at least 3" of the tape is pressed down tightly above the bolt with no creases. Pull the remaining 2" over the bolt-head and press down into place, ensuring that all creases are rolled flat.

Once in place, for both methods outlined above, always apply additional pressure to the surface of the tape in order to fully activate the bonding process. Compress any creases and remove any trapped air. Use a hard roller for best results. The firmer the pressure applied, the faster and stronger the bond.

## WATERPROOFING OF TAPE

A light amount of specified coating should be applied immediately after the **Sika Joint Tape SA<sup>®</sup>** is installed to both the surface of the tape and its edges.

This application of coating acts as an immediate moisture protection barrier. This is particularly important when there is any imminent risk of moisture originating from either condensation or rainfall. The coating can be applied to the tape by brush or by roller.

The application of coating material, to act as a moisture barrier, is not included within the overall specified coating requirements and is an additional requirement.

**Sika Joint Tape SA<sup>®</sup>** is UV resistant but is not intended for prolonged direct exposure.

## LIQUID COATING FINISH

**Roof Surfaces - First Coat:** Apply an initial coat of **Sikalastic RoofPro Advanced** to the primed, sound, surfaces, by **brush** or **airless spray** using a minimum quantity of **0.5** litres per square metre to achieve a minimum wet film thickness of **0.5mm** (500 microns). At this stage, check the coating for pinholes and apply further material to correct if necessary. Allow to dry before applying the next coat.

**Second Coat:** Apply a second coat of **Sikalastic RoofPro Advanced** to these areas, again by **brush** or **airless spray** and again using a minimum quantity of **0.5** litres per square metre to achieve an approximate overall dry film thickness of **0.71mm** (710 microns). Allow to dry.

**Gutter Surfaces - Base Coat:** Apply an initial embedment coat of **Sikalastic RoofPro Advanced** to the prepared, sound gutter surfaces, using a minimum quantity of **1** litre per square metre (equivalent to a maximum spread rate of **1** square metre per litre) and whilst wet, strengthen by inserting **Sika Reemat Premium** glass fibre matting, followed by rolling until the mat is completely embedded and thoroughly saturated. Overlap adjacent areas already laid by 50mm ensuring sufficient embedment material is applied to these areas. 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 second coat.

**Top Coat:** Apply a coat of **Sikalastic RoofPro Advanced** to these reinforced areas by roller (brushes may be used for detail work) using a minimum quantity of **0.75** litre per square metre. Allow to dry.

**Contrasting Shades:** Individual coats should be applied in contrasting shades, this will help in avoiding uneven membrane thickness and assist in achieving the required film build overall.

**Material Coverage:** When applying materials, use volume to area calculations and/or wet film thickness readings where appropriate to ensure correct material coverage. Coverage rates may vary depending on substrate condition.

**Completion:** On completion of coating works, check the finish for pinholes, voids, damage, etc. Spot treat to rectify. The site should be left clean, tidy and free from spillage, waste or other residue and in a manner acceptable to the client or their representative.