

## PRODUCT DATA SHEET

# Sarnacol<sup>®</sup>-2172 Spray

Polyurethane spray applied adhesive for Sarnafil<sup>®</sup> G membranes.

### PRODUCT DESCRIPTION

Sarnacol<sup>®</sup>-2172 Spray is a 1-part, polyurethane based, moisture-curing, spray applied contact adhesive in a pressurised canister system.

### USES

- Sprayable adhesive to bond Sarnafil G membranes to specific substrates

### CHARACTERISTICS / ADVANTAGES

- Quick adhesive applications using pressurised canister and spray gun
- Less wastage of adhesive due to pressurised container

### PRODUCT INFORMATION

<b>Chemical Base</b>	Polyurethane moisture-curing	
<b>Packaging</b>	Packaging unit	Single canister 19,4 kg (Adhesive 13,3 kg)
	Packaging dimension	Cardboard box 320 mm × 320 mm × 460 mm



Refer to current price list for packaging variations

<b>Appearance / Colour</b>	Colour	red
<b>Shelf Life</b>	12 months from date of production	
<b>Storage Conditions</b>	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging.	
<b>Consistency</b>	liquid	

### SYSTEM INFORMATION

<b>Compatibility</b>	Not compatible in direct contact with EPS/XPS insulation boards, copper plate, bituminous substrates, waterproofing membranes (thermoplastics / elastomers) excluding soft PVC. These materials could adversely affect the product properties
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## APPLICATION INFORMATION

<b>Consumption</b>	~150 g/m <sup>2</sup> – 200 g/m <sup>2</sup> on non-porous substrates ~400 g/m <sup>2</sup> on porous substrates One single canister covers ~80–100 m <sup>2</sup> . These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.	
<b>Ambient Air Temperature</b>	At least +5 °C	
<b>Substrate Temperature</b>	At least +5 °C	
<b>Open Time</b>	<b>Temperature</b>	<b>Open Time T<sub>gel</sub></b>
	+30 °C	10 minutes
	+20 °C	20 minutes
	+10 °C	30 minutes
	+5 °C	40 minutes
These times may vary due to ambient conditions.		

## VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## FURTHER DOCUMENTS

Product Data Sheets: Waterproofing membranes

## LIMITATIONS

Installation work must only be carried out by Sika® trained and approved contractors, experienced in this type of application.

- The spray tip or gun used with other Sika® spray products must not be used with Sarnacol®-2172 Spray.
- The canister and gun will remain usable for 2 weeks after opening. If it is not intended to use the system within this time, the adhesive in the hose and gun must be renewed by purging ~250 ml of adhesive through the system every 2 weeks.
- Overlap sections that require hot air welding must be protected during spray application.
- Use Sarnafil Lap Cleaner to remove adhesive residue from the roof membrane.
- If the system is not going to be used within 2 weeks, it is recommended to flush the gun and hose with the Sika Canister Flushing System. Once canister is empty, the gun/hose can be transferred to a new adhesive canister.
- Installation of some ancillary products, e.g. contact adhesives / cleaners is limited to temperatures above +5 °C. Observe temperature limitations in the appropriate Product Data Sheets.
- Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.

## ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

The supporting structure must be of sufficient structural strength to apply all new and existing layers of the roof build up. Complete roof system must be designed and secured against wind uplift loadings. The substrates must be solvent resistant, uniform, firm, clean, dry, free of grease, bitumen, oil, dust and loosely adhering particles. Sheet metal must be cleaned with Sarna Cleaner before adhesive is applied.

### SUBSTRATE PREPARATION

Use the appropriate preparation equipment to achieve the required substrate quality

### APPLICATION

Strictly follow membrane installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

#### Canister and spray-gun set-up

Nathalie insert images and text for Canister and spray-gun set-up here not in 'Maintenance' attribute.

**Sarnafil® G 410- Membrane (Contact bonding)**

1. Spray apply 1 coat of Sarnacol®-2172 Spray directly onto the substrate as a priming coat. Allow to dry completely. Apply 2 coats of adhesive on absorbent substrates. Prime only the area of the roofing where the membrane will be applied on the same day.
2. Lay out Sarnafil® G 410, align and fold back to approximately half its length.
3. Spray apply Sarnacol®-2172 Spray evenly on the underside of the membrane.
4. When the adhesive surface has become 'tacky', carefully fold back Sarnafil® G 410 onto the substrate. Press down firmly on the membrane using a suitable pressure roller such as a water-filled, or heavy steel roller 40–50 kg.
5. Fold back the second half of the membrane and repeat as above.

#### Sarnafil® G 410- Felt backed membrane (Wet bonding)

1. Spray apply 1 coat of Sarnacol®-2172 Spray directly onto the substrate as a priming coat. Allow to dry completely. Apply 2 coats of adhesive on absorbent substrates. Prime only the area of the roofing where the membrane will be applied on the same day.
2. Lay out Sarnafil® G 410 Felt, align and fold back to approximately half its length.
3. Spray apply Sarnacol®-2172 Spray evenly on the underside of the membrane.
4. While the adhesive surface is still wet, carefully fold back Sarnafil® G 410 onto the substrate. Press down firmly on the membrane using a suitable pressure roller such as a water-filled, or heavy steel roller 40–50 kg.
5. Fold back the second half of the membrane and repeat as above.

#### CLEANING OF TOOLS

Tools and equipment must be cleaned with Sika Boom® Cleaner immediately after use. Purge the adhesive through the hose & application gun (approx. 250 ml) as necessary before and after use.

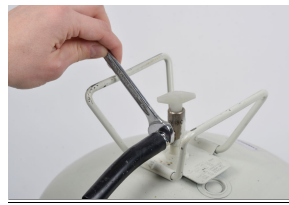
#### MAINTENANCE

##### Canister and spray-gun set-up

It is important to set-up the Sarnacol®-2172 Spray canister adhesive correctly before use to ensure the best possible performance and to avoid leakage or system failure.



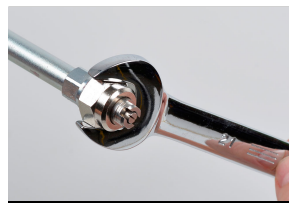
01. Remove the black cap from the canister valve.



02. Attach the rubber hose to the canister valve (using the small nut) and attach the other end of the braided-hose to the spray-gun (using the large nut). Tighten with a spanner.



03. Attach the other end of the rubber hose to the spray-gun (using the large nut). Tighten with a spanner.



04. Using the locking-nut provided, attach the spray-tip to the end of the spray-gun



05. Fully open the valve on the canister.



06. Pull the trigger on the spray-gun to apply adhesive.



07. Adjust the spray pattern by turning the black valve on the spray-gun anti-clockwise until a spray pattern width of ~300 mm in width is achieved.

## Canister and spray-gun maintenance guide

Once work has been completed, ensure the valve on the canister remains open. Failure to do this may cause the adhesive to block the hose



01. Turn the spray-gun off by turning the black valve clockwise until it is fully closed.

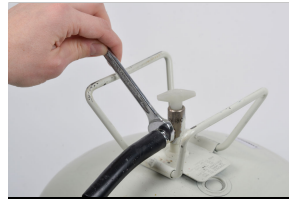


02. Unscrew the spray-tip and the end of the spray-gun. Clean the spray-tip and the end of the spray-gun with Sika Spray Cleaner or Sarna Cleaner using a soft nylon brush to ensure the aperture is clear. This is essential. Failure to clean the spray-tip and the end of the spray-gun may result in damage to the aperture and prevent the system from working. Place the spray-tip and locking-nut in a container with a small amount of Sika Spray Cleaner or Sarna Cleaner until it is needed again. Ensure the container is closed and airtight.

## Canister flushing system



01. Ensure the valve on the canister is completely turned off before attaching the assembly.



02. Unscrew the hose from the canister valve.



03. Attach the assembly to the valve. Ensure the assembly remains upright whilst the nut is tightened. Attach the hose to the assembly. Ensure the assembly remains upright whilst the hose nut is tightened



04. Check the tap on the assembly is off before applying the Sika Spray Cleaner. Screw the Sika® Spray Cleaner canister into the top of the assembly and open the red valve.



05. Aim the spray-gun into a waste container, apply pressure to the trigger on the gun to push Sika® Spray Cleaner through the hose and gun until the adhesive starts to dispense. Keep pressure on the trigger until the hose and gun are thoroughly cleaned.

## Canister system disposal



01. The Sarnacol®-2172 Spray canister contains compressed gas. It must be emptied by carefully opening the valve, which will release any excess adhesive and/or pressure. Allow any excess adhesive and/or pressure to fully escape into a suitable container. Leave the valve open. Once the canister is empty and completely depressurised, the circular disk can be pierced using a non-ferrous bar/rod. Allow any remaining adhesive to cure. The empty depressurised canister should be disposed/recycled in accordance with local disposal regulations..

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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