



# GARDEN SYSTEM

## PRODUCTS

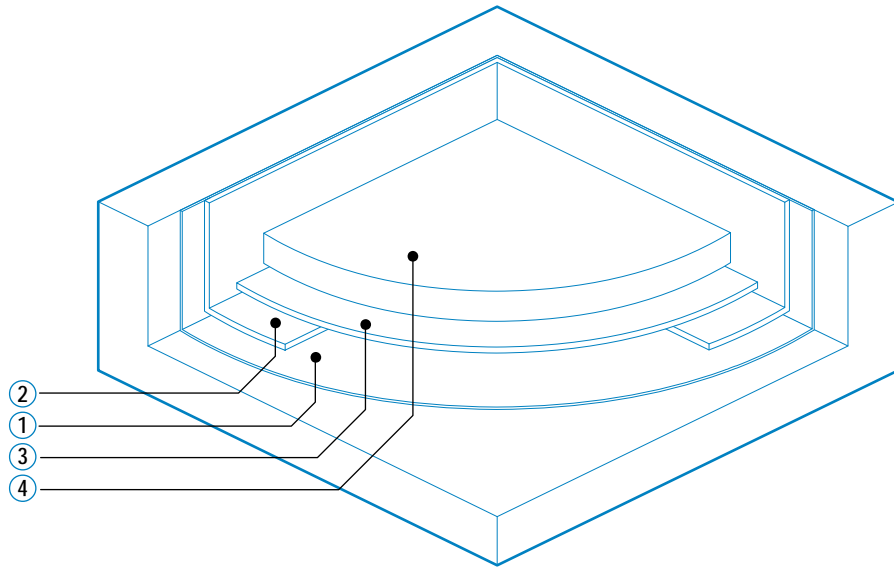
- ① **Alsan RS 276 Primer**  
10 kg (2.5 gal) can  
Requires 2 catalyst packets  
Improves substrate adhesion
- ② **Alsan RS 230 Flash + Fleece**  
12 kg (2.3 gal) can  
Requires 3 catalyst packets<sup>1</sup>  
Flashing grade waterproofing layer reinforced with polyester fabric
- ③ **Alsan RS 230 Field + Fleece**  
25 kg (5.4 gal) can  
Requires 5 catalyst packets<sup>1</sup>  
Waterproofing layer reinforced with polyester fabric
- ④ **Specified garden system**  
Including applicable drainage mats and growing media; by others

### Alsan RS Fleece

165' length; available in widths of 41", 21", 13", 10" and 4"

### Alsan RS Catalyst

0.1 kg packets



## ALSAN RS 230 GARDEN SYSTEM

Rapid curing, fully reinforced waterproofing application for a garden roof installation

### Surface preparation

Remove existing paint and finishes etc. by mechanical means.

Ensure that the prepared surface is clean, dry and free from dust, laitance, grease, oil and any other contaminants.

Concrete must be fully cured (28 days) with a minimum hardness of 24 MPa (3500 psi). Concrete surface must be prepared to obtain concrete surface profile (ICRI CSP) of 2, 3 or 4. To obtain such a profile, the use of special equipment such as shot blasting is recommended. Concrete substrate should have a maximum moisture content of 1.5 kg/100m<sup>2</sup>/24h (ASTM F1869) and internal content of 75% RH (relative humidity) (ASTM F2170).

Clean and prepare metal surfaces to near white metal in accordance with SSPC - SP3 (power tool clean) or as required by membrane manufacturer. Extend preparation a minimum of three (3) inches beyond the termination of the membrane flashing materials. Notch steel surfaces to provide a rust-stop. In addition to cleaning, all metal surfaces shall be abraded to provide a rough open surface. A wire brush finish is not acceptable.

Acceptance of the substrate is the sole decision of the owner or appointed representative.

### 1 Alsan RS Primer application

Using a slow-speed mechanical mixer, thoroughly mix the entire container of resin for two minutes prior to use. Catalyze only the amount of material that can be applied within 15-20 minutes. To activate the entire 10 kg (2.2 gal) can of Alsan RS Primer, add two packets<sup>1</sup> of Alsan RS Catalyst and stir for two minutes using mixer. Alsan RS Primer comes in two versions, Alsan RS 222 Primer is used for surfaces with asphaltic residue still present on the substrate; Alsan RS 276 Primer is used on cleaned wood and concrete surfaces.

### 2 Alsan RS 230 Flash and RS Fleece application

Using a slow-speed mechanical mixer, thoroughly mix the entire container of resin for two minutes prior to use. Catalyze only the amount of material that can be applied within 15-20 minutes. To activate the entire 12 kg (2.2 gal) can of Alsan RS 230 Flash, add three packets<sup>1</sup> of Alsan RS Catalyst and stir for two minutes using mixer. Apply Alsan RS 230 Flash to clean, dry and prepared substrate using Soprema approved rollers. The resin should be spread evenly onto the surface. Alsan RS Fleece is laid into wet Alsan RS 230 Flash product, and all wrinkles and air bubbles are rolled out of the reinforcement. Apply another layer of Alsan RS 230 Flash onto reinforcement in order to assure full saturation. Second layer of Alsan RS 230 Flash should be applied while the initial layer of Alsan RS 230 Flash is still wet in order to ensure proper curing. Alsan RS Fleece should be pre-cut prior to activation of Alsan RS 230 Flash. Fleece reinforcement should extend two inches out onto the field and a minimum of eight inches up. Refer to Alsan RS Fleece details for additional information.

<sup>1</sup> Number of 0.1 kg packets noted assumes warm temperatures; colder temperatures require additional catalyst. Refer to individual product data sheets for complete information on temperature ranges and catalyst quantities.



# GARDEN SYSTEM

## ALSAN RS 230 STANDARD COLORS



pebble grey



white

SOPREMA

### 3 Alsan RS 230 Field and RS Fleece application

Using a slow-speed mechanical mixer, thoroughly mix the entire container of resin for two minutes prior to use. Catalyze only the amount of material that can be applied within 15-20 minutes. To activate the entire 25 kg (5.6 gal) can of Alsan RS 230 Field, add five packets\* of Alsan RS Catalyst and stir for two minutes using mixer. Apply Alsan RS 230 Field to clean, dry and prepared substrate using Soprema approved rollers or notched squeegees. The resin should be spread evenly onto the surface. Alsan RS Fleece is laid into wet Alsan RS 230 Field product, and all wrinkles and air bubbles are rolled out of the reinforcement. Apply another layer of Alsan RS 230 Field onto reinforcement in order to assure full saturation. Second layer of Alsan RS 230 Field should be applied while the initial layer of Alsan RS 230 Field is still wet in order to ensure proper curing. Alsan RS Fleece requires the establishment of two inch side laps and four inch head laps in field applications.

### 4 Specified green roof system

Installed per manufacturer's instructions.

## technical data

Product	RS Primer	230 Flash	230 Field
Coverage rate per can <sup>2</sup>	270 ft <sup>2</sup>	42 ft <sup>2</sup>	90 ft <sup>2</sup>
Product weight	10 kg	12 kg	25 kg
Product volume	9.6 liters	9.7 liters	20.5 liters
Coverage rate per 10 ft <sup>2</sup>	0.35 liters	2.3 liters	2.3 liters
Catalyst packets required <sup>1</sup>	2	3	5
Pot life	15 minutes	15 minutes	15 minutes
Rain proof after	30 minutes	30 minutes	30 minutes
Set time / next layer	30 minutes	60 minutes	60 minutes
Fully cured	2 hours	3 hours	3 hours

<sup>1</sup> Number of 0.1 kg packets noted assumes warm temperatures; colder temperatures require additional catalyst. Refer to individual product data sheets for complete information on temperature ranges and catalyst quantities.

<sup>2</sup> All coverage rates are approximate and may vary due to the application technique and surface roughness.