

### ALSAN RS Application Tool Guidelines

#### General

The SOPREMA ALSAN family of liquid applied products is used for a variety of roofing, waterproofing and protective surfacing applications. ALSAN RS requires very little in the way of materials, tools and equipment for installation. All applications will require the use of approved rollers and brushes. These tools must be specifically designed for the correct delivery and application of all ALSAN RS resins and components. The following tools, equipment and ancillary products are recommended to aid in the successful application of ALSAN RS roofing, waterproofing and protective surfacing systems:

#### Tools, Equipment & Ancillary Products Required for General Application of ALSAN RS Components

##### Substrate Preparation

- ALSAN RS Paste resin (non-traffic bearing substrates only)
- ALSAN RS 233/263 LO Self-Leveling Mortar
- Blower, vacuum & broom
- #1 Kiln dried quartz silica
- 1/2 to 5/8 inch closed cell PE backer rod
- Scarification equipment including floor scarifier & hand held grinders w/diamond cup wheel
- Square edge trowel
- Screed bar

##### Mixing

- Plastic tarps or sheeting
- Clean wood mixing sticks
- Variable speed drill with 1/2" chuck
- 2 large spiral resin agitator/mixers
- 1 tablespoon (15 ml) measure
- Plastic mixing buckets (5-L)
- Mixing pail (5-gal)

##### Application

- Reinforced masking tape
- Razor knife
- 9" scissor
- Disposable heavy duty nitrile gloves
- Chalk line
- Tape measure
- Sharpie marker

##### Miscellaneous

- Extension cords
- Clean cotton rags
- Plastic garbage bags
- ALSAN RS Cleaner
- 6 ft long pole handle

Note: The applicator must assess jobsite conditions and determine specific needs for any individual application, including requirements for any special tools, permits, or licenses. The tools and equipment recommended here are based on normal practice in typical applications of SOPREMA ALSAN RS supplied products.

#### Hand Tools Required for ALSAN RS Products

The following hand tools are recommended for application of specific ALSAN RS components:

| ALSAN RS Flashing Membrane Application |  |
|--|--|
| All applications:                      | 4 in roller knaps<br>4 in roller handles<br>4 in brushes |

| ALSAN RS Field Membrane Application |  |
|-------------------------------------|--|
| Basecoat normal application:        | 3/8 in steel v-notch trowel or rake      |
| Basecoat steep slope application:   | 1/4 in steel v-notch trowel or rake      |
| All applications:                   | 7 in roller knaps<br>7 in roller handles |

| ALSAN RS 233/263 LO Self-Leveling Mortar Application |   |
|--|---|
| Normal application:                                  | Stub roller, 1/2 x 7/16 in v-notch trowel or rake with blunted tips |
| Steep slope applications:                            | 3/8 or 1/2 in v-notch trowel or rake                                |
| All applications:                                    | Nylon spiked roller<br>spiked shoes                                 |

| ALSAN RS 289 Textured Finish Application |  |
|--|--|
| Light pedestrian traffic:                | 3/16 in v-notch trowel or rake                   |
| Normal pedestrian traffic:               | 1/4 in steel v-notch trowel or rake              |
| Vehicular traffic:                       | 3/8 in steel v-notch trowel or rake              |
| All applications:                        | ALSAN RS roller knaps<br>ALSAN RS roller handles |

| ALSAN RS Textured Coating Application |  |
|---------------------------------------|--|
| All applications:                     | Square edge finishing trowel<br>ALSAN RS roller knaps<br>ALSAN RS roller handles |

| ALSAN RS 287 Color Finish Application   |                                      |
|---|--------------------------------------|
| Smooth surfaces:                        | 1/8 in steel v-notch trowel or rake  |
| Embedment coat for #0 quartz aggregate: | 3/16 in steel v-notch trowel or rake |
| Sealcoat over quartz aggregate:         | Flat blade rubber squeegee           |
| All applications:                       | 7 in roller knaps<br>7 in handles    |

### General Information

#### Rollers & Brushes

All applications will require the use of SOPREMA approved rollers and brushes. These tools must be specifically designed for the correct delivery and application of all ALSAN RS resins and components. Each workman will use approximately 3 to 5 brushes and/or roller knaps per hour. Order according to the number of workers and man-days anticipated for each project. When ordering ALSAN RS tools, the following guidelines would apply:

#### 7 inch roller knaps

Used with all ALSAN RS components for application in field and large open areas.

#### 4 inch roller knaps

Used with all ALSAN RS components for application on flashings and small tight areas.

#### 2.5 inch brushes

Used with all ALSAN RS components for application on flashings, detail work and small tight areas. Brushes are always required to work resin into corners and tight areas that cannot be reached with a roller.

#### 24 inch Squeegee (Flat blade & Notched)

Used for application of the resin mortars and topcoat finishes on horizontal substrates.

#### Resin Mixer/Agitator

Specially designed non-aerating resin mixer/agitator is required for mixing all ALSAN RS components. Using at least two mixer/agitators is recommended for productivity, and to avoid cross contamination of catalyzed and non-catalyzed resin products.

#### Stub Roller

18 in stub roller for stand-up application of ALSAN RS Mortar. The roller has alternating segments manufactured from high density polyethylene while the end caps are made from ultra-high molecular weight polyethylene.

#### Spike Roller

Spike roller is used for pinning (to assist in leveling and knocking down air bubbles) ALSAN RS 233/263 LO Self-Leveling Mortar for both pedestrian and vehicular traffic bearing systems.

#### Spike Shoes

Spike shoes are used when required for pin rolling and broadcasting aggregate on ALSAN RS 233/263 LO Self-Leveling Mortar for both pedestrian and vehicular traffic bearing systems.

### Tool Use and Care

Brushes and roller knaps are consumable items and must be discarded once they have stiffened. Consumption of brushes and rollers will vary depending upon temperature and the type of resin being used. For prolonged brush and roller life, remove excess resin during work stoppages (brush or roll dry) using clean cardboard or other disposable material. Eventually the brush and/or roller knap will harden as resin begins to cure requiring replacement.

Roller handles and metal tools may be cleaned with ALSAN RS Cleaner. To minimize cleaning, wipe reusable handles and tools with clean, dry cloth as needed before resin components cure and schedule work to avoid stopping.