

# Soltherm CS

## Primer for Critical Substrates

### PRODUCT DESCRIPTION:

- well seals off and strengthens the primed surface,
- forms a bonding bridge - its quartz content makes it perfect for smooth and non-porous surfaces,
- improves adhesion of adhesive mortars to mineral substrates,
- evens out the setting and drying process of adhesive coatings,
- facilitates bonding and fixing of insulation material and ceramic or stone tiles,
- evens out any surface porosity,
- protects the primed surface against adverse effect of moisture,
- solvent-free,
- fast-drying.

### USE:

Soltherm CS is formulated to prime absorbent and non-absorbent wall, floor and ceiling surfaces indoors and outdoors prior to:

- application of cement floors and subfloors,
- laying ceramic or stone tiles,
- pouring of self-levelling compounds
- levelling the surface e.g. Soltherm LRC,
- installation of wall insulation materials,
- waterproofing with

Substrates for which the primer is suitable:

- concrete,
- aerated concrete,
- cement plasters or cement-lime,
- cement floors or subfloors,
- fibre cement cladding,
- masonry walls, not plastered,
- solid and firm paint coats on walls and ceilings, well bonded and adhering firmly to the surface,

and for interior application to the critical substrates:

- prior to tile on tile installation,
- engineered wood plank (e.g. OSB, particle boards),
- terrazzo,
- dado,
- gypsum plasters,
- plasterboards,
- anhydrite floors or subfloors,

Do not apply as a render undercoat.

### SUBSTRATE PREPARATION:

The surface must be structurally sound, even, clean of substances which can cause separation such as dust, grease, bitumen and other barrier materials. Remove limewash or colour wash. Sand gypsum, anhydrite substrates, existing ceramic/stone tiles or cladding, engineered wood plank or firm paint coats with coarse abrasive paper, brush down and vacuum the sanding dust thoroughly.

Prime chalking and dusting surfaces with Soltherm SP Primer prior to application.

### PRODUCT PREPARATION:

A ready-to-use product. Prior to application, stir the full packaging thoroughly.

### APPLICATION:

Apply evenly with a paint roller or a paint brush. If necessary, overcoat when the first coat is completely dry.

### LIMITATIONS AND RECOMMENDATIONS:

- Do not apply to areas subject to prolonged water exposure, accumulated snow and areas not damp-proofed against capillary action.
- Before application, cover or mask surfaces that are not to be primed.

-Protect from direct sunlight exposure, precipitation and wind during application operation and drying. Use scaffolding meshes.

-Low temperature, increased humidity and improper air circulation extend the drying time.

-During primer application and afterwards, ventilate the rooms but protect from draughts to prevent too rapid drying.

-Clean tools and hands with running water immediately after use. After drying difficulties with cleaning may be experienced.

-Tightly seal the container and use the remnant product shortly.

### PRECAUTIONS:

Protect eyes and skin. In case of eye contact, flush eyes with plenty of water and seek medical advice.

### TOOLS:

- Paint roller or brush

### TECHNICAL DATA:

The following technical data are for the temperature of +23 (±2)°C and relative air humidity of 50 (±5)%. Under other conditions the technical data may vary.

Ambient and surface temperature at application and drying: from +5°C to +25°C

Relative humidity at application and drying: up to 80%

Density: approx. 1.40 g/cm<sup>3</sup>

Colour: red pink

Drying time: min. 2 h

VOC content: VOC limit (cat. A/g/FW) – 30g/l (year 2010)

Product contains max. 0.5 g/l VOC

Packaging: 7kg, 14kg

No. of containers per pallet and net weight:

7kg: 44 / approx. 308 kg

14kg: 44 / approx. 616 kg

Shelf life:

12 months - date of production provided on the packaging

### NOMINAL COVERAGE:

approx. 0.25 ÷ 0.40 kg/m<sup>2</sup>

Coverage will vary with the surface texture, porosity and application method. To determine precise coverage perform a test patch on the substrate.

Usage is typical usage and may vary between installers. Coverage rates quoted for products will not be guaranteed under any circumstances. The rates quoted are based on site experience but may vary due to site conditions, operator skills etc. No claim will be allowed relating to coverage of materials.

### STORAGE:

Store in intact original containers in temp. between +5°C and +25°C. Protect from direct sunlight and frost. Store away from the reach of children.

### COMPOSITION:

It is a mixture of acrylic dispersion, quartz fillers and modifiers.

Soltherm guarantees product quality but has no control over its application and use. Soltherm takes no responsibility for contractors' and distributors' performance. The information supplied herein is given in good faith based on our current knowledge and latest application methods. The information provided cannot replace designer's and contractor's expertise and does not dismiss anyone from observing good practice and the OHS regulations. Should you have any further queries, carry out necessary tests or contact Soltherm Customer Technical Support. The publication of this Technical Data Sheet renders older editions invalid.