



conni® S
Textured silicone resin render

PRODUCT PROFILE

Silicone resin render for non-directional floated textures. Applied with suitable tools, conni S1 may be used to create a variety of textured finishes, including rolled, relief or cottage (i.e. imbricated) textures.

- primarily for outdoors
- water-repellent
- vapour-permeable
- long-term protection against driving rain
- adjustable consistency
- resistant to algae and fungi
- impact-resistant surface
- long open time
- brilliant white or coloured to CLASSIC and (in part) FINESS colour fans
- conni S1 coloured to CLASSIC obtainable upon request

TECHNICAL DATA (DIN 18558/52617)	
Density:	1.8 kg/dm ³
Viscosity:	Paste
Water vapour permeability (s _d value):	< 0.1 m
Design thermal conductivity λ _R :	0.70 W/(m·K)
Water absorption coefficient:	w < 0.1 kg/(m ² ·h ^{0.5})

COVERAGE CHART				
	Texture	Coat thickness mm	Coverage kg/m²	Coverage m²/bucket
Background			smooth/rough	smooth/rough
conni S	1.0	1.0	1.4/--	17.9/--
conni S Freely styled texture	1.0	2.0-3.0	3.3/--	7.6/--
conni S	1.5	1.5	2.2/2.5	11.4/10.0
conni S	2.0	2.0	2.5/2.9	10.0/8.6
conni S	3.0	3.0	3.4/3.7	7.4/6.6

The above figures are approximate values and may vary according to background type.

PREPARATION

Cover or watertightly mask dirt-sensitive elements such as windows, window sills and doors along with timber, glass, metal, brick and flooring.

Protect weather-exposed work surfaces from precipitation. In the event of exposure to sunshine or very warm weather, hang nets around scaffolding until renderwork dries or postpone works until more favourable weather conditions prevail.

Pre-treatment of background is necessary to optimize product performance and is strongly recommended prior to application of conni S.

After suitable waiting time and full drying out, pre-treat lime/cement basecoats such as SUPER LUPP, LUP222, UP210 etc. or reinforcing mortar coats applied to basecoats and to MARMORIT WARM WALL systems with undiluted Isogrund suction control/Neutrasit® primer. For coloured conni S, pre-treat with undiluted coloured Quarzgrund bonding primer.

To existing renderwork or uneven surfaces, apply min. 3 mm coat of Luströ or SM700, incorporating scrim where required. Ensure that scrim is completely covered by reinforcing mortar.

Apply conni S only to fully dried, hardened and pre-treated basecoats or reinforcing mortar coats. Clean concrete surfaces, remove mould oil and other dirt/contamination and high-pressure clean where necessary. After full drying out, pre-treat with undiluted Quarzgrund bonding primer. Clean down strongly adhering matt emulsion paint coats with high-pressure cold water jet and allow to dry. Then pre-treat with undiluted KNAUF Betonkontakt concrete primer. Allow min. 24 hours drying time for priming coats prior to continuing work. For colours from FINISS colour chart and special colours with organic pigments, it is essential to pre-coat freshly applied basecoats after min. 14 days and reinforcing mortar coats after 5 days drying time with coloured Quarzgrund bonding primer! If required, conni S may be over-coated with AUTOL or SILICONHARZ facade paint. For conni S with 1 mm aggregate size, a single scrim layer is required for application to basecoat and a double scrim reinforcement/scrim layer for application to WARM WALL systems. Ensure that surface is free of streaks and fins/protrusions. Felt float or smooth to fine finish.

APPLICATION

Check for correctness of colour/hue. Where coloured render is applied, ensure use of material with same batch number or mix sufficient mortar for complete area of renderwork.

Stir bucket contents thoroughly. Where necessary, set to application consistency through addition of max. 0.7 ltr water.

In cold, damp weather with an ambient humidity > 95% and/or temperatures below +12°C, addition of 150 ml MARMORIT drying accelerator (contents of one container) to each 25 kg bucket is recommended.

Addition of drying accelerator serves – depending on local site and weather conditions – to increase sag resistance of conni S upon exposure to damp and short-term rain.

Apply to aggregate thickness using stainless-steel finishing trowel. Work to required texture using PVC or stainless-steel tools. Wash tools with water immediately after use.

PLEASE NOTE

Rendering works are subject to the requirements of DIN EN 13914, DIN V 18550, DIN 18558/55699 and DIN 18345/18350, VOB (German Construction Contract Procedures) Part C and MARMORIT specifications.

Do not apply at air and/or wall temperatures below +5°C. Add MARMORIT drying accelerator in cold, damp weather with ambient humidity > 95% and at temperatures below +12°C. Protect fresh renderwork against frost and premature drying out.

Basecoats and reinforcing mortar shall be fully dried and hardened prior to application of conni S textured silicone render.

Should surface be exposed to high mechanical loading, colour may change at affected locations (crazing).

For outdoor use, conni S is formulated to control and inhibit soiling/contamination. No guarantee can, however, be given for long-term protection against soiling/contamination, e.g. through algal and fungal growth. Vulnerability to attack depends on local factors and the prevailing environmental conditions.

PLINTH TREATMENT

conni S may be carried down to ground level over plinth render where only normal exposure to splashing is anticipated.

After drying out, all rendered surfaces in contact with ground or gravel beds shall be waterproofed/protected against moisture, starting from basement wall waterproof barrier up to approx. 5 cm above ground level, in accordance with DIN 18195.

To this end, a 2.5 mm coat of MARMORIT SOCKEL-DICHT may be applied. Cover with nonwoven-faced studded sheet after drying.

SAFETY AT WORK

Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Once set, the material poses no physiological or ecological hazards. Safety data sheet obtainable upon request.

DISPOSAL

Allow any remaining material to dry. It may then be disposed of, together with container, as domestic or construction site waste.

Liquid product residue:

Waste code EWC 08 01 12 (waste paint and varnish other than those mentioned in 08 01 11).

Dry product residue:

Waste code EWC 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03).

Gisbau code (German hazardous substances classification): M-SF 01.

Local regulations shall be observed.

COMPOSITION

Binder:

Silicone resin emulsion to DIN 18363 and organic binders.

Aggregate:

Marble graded to DIN 4226.

Admixtures:

Water-retaining admixtures, storage preservatives, colour pigments.

QUALITY

The product is subject to continuous quality monitoring.

DELIVERY FORM/SHELF LIFE

25 kg PE buckets.

12 months, subject to cool, frost-free storage (+5°C to +25°C) in original container.

SUPPLY

Via Marmorit approved applicators or local distributors

NOTE

This data sheet, which replaces all previous editions, is designed to provide you with advice and assistance. The information presented herein reflects our present state of knowledge. It cannot, however, embody the sum total of good practice, nor incorporate the provisions of all relevant standards, codes of practice and guidelines. These – together with the relevant application rules and guidelines – shall be duly observed by the applicator!

TECHNICAL ADVICE

Information and advice may be provided by our external representatives or the MARMORIT Technical Department

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