THERMATYNK-SN
SILICONE TOP COAT

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APPLICATION/CHARACTERISTICS:
THERMATynk-SN silicone top coat is a decorative, thin-layered textured plaster, intended for the internal and external manual application. It is used on all even mineral surfaces, including: cement plasters, cement-calcareous, concrete and others.

PROPERTIES:
THERMATynk-SN silicone top coat is a ready-to-use plaster of paste-like consistency, based on water dispersion of synthetic resins. It is efficient and easy to use. The silicone top coat forms a vapour-permeable, hydrophobic coating protected against the growth of fungi and algae. It is characterised by self-cleaning, high resistance to damage, washing, scrubbing and weather conditions. Arsanit offers a range of colours of the THERMATynk-SN silicone top coats available in Arsanit Colour Chart.

SUBSTRATE PREPARATION:
The substrate should be solid and even, clean from dust, lime, fat, dirt, oil, wax, as well as residues of chalk paint, lime, emulsion or oil paint. Old paint and plaster coatings of insufficient adhesion should be removed, and cavities should be filled using eg cement mortar. THERMAGrunt-SN Primer should be always applied prior to the THERMATynk-SN silicone top coat in order to obtain a proper adhesive coat.

PREPARATION:
The THERMATynk-SN silicone top coat is offered in ready-to-use form and consistency. It cannot be condensed or diluted as well as combined with other materials. After opening the entire content of the container should be stirred thoroughly, in order to obtain uniform consistency.

APPLICATION:
Apply the THERMATynk-SN silicone top coat on a ready and primed base. The thickness of the plaster must be of aggregate size (layer thickness = grain thickness). Use a smooth stainless steel long float to apply the top coat. Remove excess material into the bucket and mix it again. The surface quality is obtained with a plastic long float. If the coating has a classic, stipple finish – move the float in circles. If the coating is of travertine finish – move the float vertically, horizontally or in circles, depending on the expected effect. The open time of top coat (between its application and floating) depends on the absorbability of substrate, ambient temperature and mortar consistency. When rendering and drying, protect the top coated surface against the sun, wind and rain. Use a trial method to determine the maximum render surface that can be carried out in a single technological process (application and floating), considering the weather conditions.
Ensure that the first coat is still wet before applying another coat in order to prevent the joint between coats being visible. Plan your work intervals using e.g. building corners and bends, under downpipes, points of contact between colours, etc. Top coat drying time is determined by the substrate, temperature and relative humidity of ambient air and ranges from 12 to 48 hours. In wet conditions and at low temperatures top coat curing time is extended. THERMATynk-SN silicone top coat should be applied and left to dry at ambient temperature from +5°C to +25°C (also at night).

NOTE: Use buckets with the same manufacturing batch number to avoid the differences in colouring (when using coloured top coats).

COVERAGE:

Grain size	Stippled texture	Travertine texture
1,0 mm	2,0 kg/m^2	-
1,5 mm	2,5 kg/m^2	2,5 kg/m^2
2,0 mm	3,0 kg/m^2	3,0 kg/m^2
2,5 mm	3,5 kg/m^2	3,5 kg/m^2

TOOLS:
Drill with mixer, smooth steel and plastic long floats. When work has been finished, wash the tools with water.

DIRECTIONS:
The guidelines describe the range of product's use and advisable method of using it but it cannot replace a professional preparation for the work. The producer guarantees the product quality, but it has no influence on the conditions and method of using it.

STORAGE AND TRANSPORT:
The THERMATynk-SN silicone top coat must be transported and stored in tightly sealed buckets, at the temperature above zero. It should be protected against moisture and freezing frost.

MANUFACTURING DATE / COLOUR / GRANULATION: As stated on the package.

Shelf life: 12 months from production date.

PACKAGING:
25 kg bucket, 24 buckets per pallet, 600 kg

TECHNICAL PARAMETERS	
Ingredients	Synthetic resins water dispersion with mineral fillers, deaerators and preservatives
Density	about 1.8 kg/dm^3
Application temperature	from +5°C to +25°C
Pre-drying time	about 15 min
Rain resistance	after about 24 hrs
Complete drying time	from 12 to 48 hrs
Water vapour permeability	Category V_3
Water absorption	Category W_2
Adhesion to the concrete substrate	≥ 1,0 MPa
Durability	NPD
Thermal conductivity coefficient (table value)	≤ 0,47 W/m·K ($\lambda_{10,dry}$)
Reaction to fire	Class F
Technical specification	ETA 15/0311 dated 29/05/2015