



SILICATE TOP COAT



2016-07-04

APPLICATION/CHARACTERISTICS:

The DLX T-50 silicate top coat is a thin-layered, textured decorative plaster, intended for the internal and external manual application. It can be used on all even mineral surfaces, including: concrete, traditional cement and cement-lime plasters, and others. The DLX T-50 silicate top coat is particularly recommended, when finishing partition walls of high vapour permeability, e.g. walls made of cellular concrete. It is recommended for DLX Thermal Insulation Systems by Arsanit.

PROPERTIES:

The DLX T-50 silicate top coat is a ready-to-use plaster of paste-like consistency, manufactured based on liquid glass, special synthetic resin and marble aggregate. It is efficient and easy to use. When dry, it forms a durable water-repellent top coat, characterised by excellent adhesion to typical mineral bases. The DLX T-50 silicate top coat creates a layer that is characterised by a very high vapour permeability, which ensures smooth transport of water vapour and its emission through the material on which the plaster has been applied. It is also resistant to washing, weather conditions and aggressive ingredients. The DLX T-50 silicate top coat also contains organic agents that reduce the growth of fungi and mould on the surface of the applied plaster. The DLX Thermal Insulation System by Arsanit offers a range of colours of the DLX T-50 silicate top coats available in Arsanit Colour Chart.

SUBSTRATE PREPARATION:

The substrate should be solid and even, clear from dust, lime, fats, dirt, oils and waxes, as well as from residues of chalk, lime, emulsion or oil paints. Old paint and plaster coatings of insufficient adhesion should be removed, and cavities should be filled using e.g. dry set mortar. DLX P-50 primer should be always applied prior to the DLX T-50 top coat in order to obtain a proper adhesive coat.

PREPARATION:

The DLX T-50 silicate top coat is delivered as a ready-to-use product. It cannot be mixed with other materials, thickened or diluted. Mix the product, directly before use, to obtain uniform consistency.

APPLICATION:

The DLX T-50 silicate top coat must be applied on a prepared substrate, in a uniform layer of the aggregate thickness, using a smooth stainless steel long float. Remove excess material into the bucket and mix it again. The surface quality is obtained with a plastic long float. If the plaster coating has a fine finish – move the float in circles. If the plaster coating is of rustic 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 in the absorption properties of substrate, ambient temperature and mortar consistency. Use a trial method (taking into account the type of substrate and conditions) to determine the maximum render surface that can be carried out in a single process (applying and floating). The material is to be applied, using the wet-on-wet technique. During and after works protect the plaster surface against the sun, wind and rain. 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. When applying and drying of the DLX T-50 silicate plaster, the ambient temperature should be between +8°C and +25°C (even at night).

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

COVERAGE:

Fine finish	Consumption	Rustic Finish	Consumption
1,0	2,0 kg/m ²	-	-
1,5	2,5 kg/m ²	1,5	2,5 kg/m ²
2,0	3,0 kg/m ²	2,0	3,0 kg/m ²
2,5	3,5 kg/m ²	2,5	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 DLX T-50 silicate top coat must be transported and stored in tightly sealed buckets, at temperature above zero. It should be protected against humidity and frost.

MANUFACTURING DATE / COLOUR / GRANULATION:

As stated on the package.

SHELF LIFE:

The expiry date is 12 months from the manufacturing date stated on the package.

PACKAGING:

25 kg bucket, 24 buckets per palette, 600 kg

TECHNICAL PARAMETERS

Ingredients	Liquid glass and synthetic resins water dispersion with mineral fillers, defoaming agents and preservatives
Density	about 1.8 kg/dm ³
Application temperature	from +8°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 ₂
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 (λ _{10, dry})
Reaction to fire	Class F
Technical specification	ETA 15/0311 dated 29/05/2015

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