

TYTAN PROFESSIONAL Acrylic Plaster IS51N

Machine Mode Application 25 kg

10029577

Spray-applied plaster with stone effect is based on acrylic dispersion, mineral fillers and light aggregate. After full curing it becomes highly flexible, adhesive to the substrate and resistant to mechanical damage and unfavourable weather conditions. The plaster features hydrophobic compounds which increase the water tightness and cleaning resistance of the finish layer. The plaster features inhibitors to prevent mould and algae corrosion. The plaster is available in a wide range of colours as listed in TYTAN PROFESSIONAL Colour Collection 300 and in other colours at customer's request. Available in stone structure and 1,5 mm grain size.



BENEFITS

- Available in various grain sizes and two structures
- Creates a flexible and durable finish coating
- Resistant to mechanical damage and shrinkage microcracking
- Contains special agents limiting the growth of fungi and algae
- Ready to use
- Can be tinted in a wide range of colours

RECOMMENDED USES

- for making external and internal structural plasters by machine application method
- it can be applied as a finishing layer in TYTAN thermal insulation systems and on seasoned, even and load-bearing construction substrates

NORMS / ATESTS / CERTIFICATES

The product meets requirements of:

- EN 15824:2017

Product in conformity with

- European Technical Assessment ETA-16-0161
- European Technical Assessment ETA-16-0166

The product has

- Declaration of Performance

TECHNICAL DATA

Parameter (+23°C/50% RH)	Value
Drying time [h]	12 - 24
Density [g/cm ³]	1,85
Adhesion [MPa]	≥0,3
Water vapor permeability	V2
Water penetration coefficient; class	W2
Consumption [kg/m ²]	2,1 - 4
Conditions of application	Value
Surface temperature [°C]	+5 - +25
Ambient / surface temperature [°C]	+5 - +25

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- The substrate should be even, stable, load-bearing, dry, cleaned from layers of dust, dirt, lime, oil, grease, wax, as well as residues of adhesives, oil and paints.
- The substrate should be primed with the TYTAN primer.

Product preparation

- Directly before the application, it is recommended to mix the whole content of the pail with low-rotation mixer until homogenous consistence is obtained.
- The plaster should not be mixed with other materials (except for the TYTAN summer and winter additive).
- Use plaster from one production batch on a single façade or on each isolated surface.
- Check the colour match before application.

Application

- Apply the plaster on the primed substrate using a spray gun connected to an air compressor or a plastering unit.
- Set the appropriate air pressure on the nozzle and a distance of several dozen centimeters from the wall, apply the plaster with smooth oval movements.
- The obtained coating should cover the plastered surface in 100%, but its thickness should not be too large, as it may cause the formation of the so-called "craters" and infiltrations in the applied plaster mass.
- Particular attention should be paid to the thickness and accuracy of the applied plaster at the height of the scaffolding platforms. The scaffolding should be properly moved away from the plastered wall.
- Plastering works should be carried out in one technological sequence, without allowing their interruption on a separate element before their completion. Otherwise, the place of such connection will be visible.
- Protect newly applied coatings against rain, frost, direct sunlight and strong wind.
- Use special protective covers in case of exposure to unfavourable weather conditions.
- Rinse off any accidental stains immediately with plenty of water.
- Wash the tools thoroughly with water immediately after use.
- Plaster drying time is given in the table.

ADDITIONAL INFORMATION

All data refer to the temperature of the ground, ambient air and material of $23\pm 2^{\circ}\text{C}$ and relative humidity of air of $50\pm 5\%$. All parameters quoted are based on laboratory tests and trials in accordance with the manufacturer's internal standards and are strongly influenced by the curing conditions of the product (temperature of the packaging, environment, substrate, quality of the equipment used and the skill of the person applying the product).

TRANSPORT / STORAGE

Plaster should be transported and stored in a dry place, on pallets, in original undamaged packaging in the temperature from $+5^{\circ}\text{C}$ to $+25^{\circ}\text{C}$. Protect against frost and direct sunlight. Open packaging should be tightly closed and used as soon as possible. The shelf life of properly stored product is 12 months.

SAFETY AND HEALTH PRECAUTIONS

All written or oral information, recommendations and instructions are given according to our best knowledge, tests and experience, in good faith and in compliance with manufacturer's principles. Each user of this material will make sure in every possible way, including verification of the final product in proper conditions, about suitability of the supplied materials for their intended purposes. The manufacturer is not liable for any losses incurred due to inaccurate or erroneous application of the manufacturer's materials.