

TYTAN PROFESSIONAL Architectural Concrete

Architectural concrete is based on acrylic dispersion, with a small amount of fine-grained mineral fillers and aggregate. Special improvers make the product plastic and easy to apply. Suitable for various decorative structures, including concrete structures. After full curing, it creates an elastic coating, resistant to damage and adverse weather conditions, including UV radiation. Contains hydrophobic compounds that increase water resistance and wash resistance.



BENEFITS

- Easy to texture concrete
- High resistance to mechanical damage or cracking
- A variety of architectural concrete textures can be achieved
- Available in different shades of grey (ashen, light grey, grey, dark grey)
- very good adhesion
- Effectively covers up minor scratches and unevenness in the substrate
- Additionally protected against algae and fungal growth
- Forms both a protective and a decorative coating

RECOMMENDED USES

- For external use (insulation systems, ETICS) and internal use
- For making structural coatings on facades and interior walls
- Can be laid on all seasoned, even and load-bearing building substrates as a decorative layer within insulation systems
- Can also be used for other creative imitation structures, including marble, travertine, Venetian stucco and natural brick

NORMS / ATESTS / CERTIFICATES

The product meets requirements of:

- EN 15824:2017

The product has

- Declaration of Performance

Product in conformity with

- European Technical Assessment ETA-16/0161

TECHNICAL DATA

Other	Value
Consumption [kg/m ²]	~2,7
Drying time [h]	24 - 72
Packaging efficiency 25kg [m2]	8,3 - 12,5
Application temperature (substrate, air, materials) [°C]	5 - 25
round bucket with IML printing; 18L / 25kg	+

METHOD OF USE

Before use, carefully read the directions on the packaging and act accordingly.

Surface preparation

- The substrate should be strong, stable, dry and even, cleaned of dirt, oil, wax and paint residues.
- Facades contaminated and endangered by algae and fungi growth should be washed with water under pressure, and then treated with an algae- and fungicide.
- We recommend that the application of architectural concrete to the substrate should be preceded by priming at least 24 hours before application.

Product preparation

- Architectural concrete is a ready-to-use product. We recommend mixing it thoroughly with a slow-

2/4

speed mixer before application.

Application

- The product is applied to a properly primed substrate in a layer approx. 1.5-2.0 mm thick using a smooth stainless steel float.
- The texture of the concrete can be achieved in several ways, e.g. by aerating the mix by stirring vigorously with a mixer for about 2 minutes.
- After the first layer has dried, apply another layer approx. 1.0-2.0 mm thick, creating a pattern by scratching in places and smoothing out the applied paste over time (with a Venetian trowel, roller, brush, sponge, rag, stretch foil sheet, etc.). Once dry, gently sand down any irregularities with sandpaper.
- Optionally, cut-outs can be made to imitate concrete slab joints and anchor marks (e.g. with a pipe). The material must be wet jointed, otherwise the joint will be visible.
- Technological breaks should be planned in advance, e.g. in corners and folds of the building.
- DRYING: The drying of the applied product takes place by a physical process of water evaporation. Drying time at 23°C and 65% relative humidity is:- Base coat (up to 2 coats of 0.6-1.0 mm each) - approx. 8 hours;- Decorative coat - approx. 1-3 hours. Can be sanded after approx. 24 hours. The end of curing should be assumed after 28 days - the material is then difficult to sand.
- Please note that weather conditions (sun, temperature, wind, etc.) affect the drying time of the material. High temperatures and wind reduce the drying time, while low temperatures and high humidity increase the drying time. Therefore, the plaster surface should be properly planned each time to achieve the optimum effect.

Works after completion of application

- Clean tools with clean water immediately after use.

Remarks / restriction

- Low temperatures and high humidity extend the drying time by up to several days.
- Protect the plastered surface against unfavourable weather conditions. Use protective nets and tarpaulins.

TRANSPORT / STORAGE

The fair-faced concrete should be transported and stored in dry conditions on pallets and in original, undamaged packaging at temperatures between +5°C and +25°C. Protect from frost and direct sunlight. When stored in this manner, the product has a shelf life of 12 months. Close the packaging tightly after opening and use the remaining contents as soon as possible.

CATALOGUE DATA

Nominal capacity / volume / size	Colour	Number of pieces per collective package	Index	EAN Code
25 kg	ashen	24	10044857	5902120167241
25 kg	grey	24	10044890	5902120167241
25 kg	light grey	24	10044886	5902120167241
25 kg	N/A	24	10045583	5902120167241
25 kg	dark grey	25	10044891	5902120167241

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.