



ARCHITECTURAL CONCRETE 055

Polymer modelled, structural render

Areas of application: ARCHITECTURAL CONCRETE 055 is a styled plaster, used to make surface imitations of architectonic concrete, concretes and other modelled structures
 Available workmanship techniques allow to obtain various types of surface configurations, not only concrete-like structures. The ARCHITECTURAL CONCRETE 055 mortar enable also to make structural imprints, e.g., of a board, by means of patterns.
 The product is available in both white colour and in a full Kreisel colour palette: Color Design, Trendy. After hardening, the concrete layer is water- and freezeproof, being also highly adhesive and resistant to weather factors

- Properties:**
- Perfect imitation of architectural concrete
 - To structures, such as travertine, marble
 - For imitation bricks and boards
 - Indoor use
 - For facades
 - Flexible
 - Impact resistant
 - Waterproof
 - Frost-resistant
 - Rich color palette

Application procedure:

Technical data	
Item no.	34289
Packaging type	
Quantity per unit	15 kg/unit
Unit per pallet	33 unit/pal.
Colour	coloured
Granulation	0 - 0.5 mm
Consumption	approx. 2.5 kg/m ²
Application time	approx. 20 min
Layer thickness	1 - 5 mm
Water vapour permeability	V2 - medium
Adhesion to (Concrete)	≥ 0.3 MPa
Water absorption	W3

The product conforms to: • EN 15824

- Material base:**
- Polymers
 - Mineral fillers
 - Additives
 - Modifying additives
 - Pigments

Surface: The colour of priming agent shall be selected appropriately to match thinned plaster colour. Substrate drying time period shall not be shorter from 24 hours. In case of thinned plaster application onto mesh-reinforced substrate in building wall insulation systems and on compact lime-cement plasters, the surface shall be primed with TYNKOLIT-T 330 or TYNKOLIT-U 340 agent. The colour of priming agent shall be selected appropriately to match the applied plaster colour. The agent shall be applied with a brush or a paint roller and left to dry for a minimum of 24 hours.



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Types of substrate:	Concrete: Prime with TYNKOLIT-T 330 or TYNKOLIT 340 Cement-lime plaster: Prime with TYNKOLIT-T 330 or TYNKOLIT 340 Gypsum plasters: Prime with TYNKOLIT-T 330 or TYNKOLIT 340 Gypsum plasterboards: Prime with TYNKOLIT-T 330 or TYNKOLIT 340 Reinforcing layer in the thermal insulation system: Prime with TYNKOLIT-T 330 or TYNKOLIT 340
Preparation:	Plaster mortar shall thoroughly be mixed prior to application, while checking colour compliance with order requirements. When colour plasters are used, it shall be necessary to apply plaster mortar from one production batch on one facade or on each separate surface area. The plaster mortar shall not be thinned with water or mixed with other materials
Application procedure:	Ready-made plaster mortar shall be applied with a stainless steel long float to layer thickness, resulting from the type of plaster surface texture. In case of architectural concrete, the plaster is applied in two layers: the first layer is applied to thickness of approx. 1–1.5 mm. This layer, immediately after application, shall be pressed with a long float or a trowel (to expand plaster). After this activity, the applied plaster shall be left for approx. 1 to 3 hours (depending on air temperature and humidity) to dry. This structure can also be obtained with a paint roller by smoothing fresh plaster mortar. The second layer shall be applied to thickness of approx. 1–2 mm, once the mortar dries slightly you can float finish the substance and smooth it with a steel Venetian float (a float with a thicker and more rigid sheet). The effect of pitting can be made by not smoothing some areas with the float. The thickness of pitting effects depends on the thickness of applied plaster layer. Once the layer is dry (6–24 h), the obtained plaster can additionally be (burned), while smoothing it with a Venetian float. Anchor footprints can be impressed in fresh plaster, e.g., with a pipe. In order to obtain gloss shining effect on plaster surface, it can be coated with HYDROMUR-W 1010, a hydrophobising agent, to complete saturation. The plaster mortar is also suitable to be applied in other structures, using various tools, such as rollers, stainless steel trowels, plastic floats, as well as sponges, clothes, brushes, spoons, bottles, etc. While performing works and during drying process, protect from frost, rainfalls, too high temperatures and strong winds.
Application conditions:	Apply at temperatures from +5 °C to +25 °C, these temperatures apply to air, bed and product. All substrates shall be bearing, compact, stable, even and clean Plastering process shall be started after a period of settlement, shrinkage and desiccating of walls and concrete elements. Substrates suitable for plaster layers shall be durable, rigid, not susceptible to deformation nor have signs of moisture. In the case of concrete substrates, they shall be deprived of any anti-adhesive agents or oils used in formwork tasks.
Instructions:	One production batch should be used in one element or on one facade in order to avoid color differences. Process a surface in a continuous manner, applying the „wet on wet“ method to avoid visible lines.
Storage:	The mortar can be stored for up to 12 months from production date in sealed packaging and at temperatures, ranging from +5 °C to +25 °C. The storage area shall be kept out of the reach of children, protected against direct sunlight and located far from heat sources and naked flames. It can be transported by any means of transport, at a temperature not lower than +5 °C. It is not subject to ADR provisions.
General information:	This product data sheet replaces all its previous versions. The information, included in this technical card, represents our current knowledge and practical experience. This is general information only which shall not obligate the manufacturer to take any responsibility either for workmanship or for the manner of use. For there may be differences and specific execution conditions. The product shall be applied in accordance with required technical knowledge and OHS rules. Avoid contact with skin and protect eyes. In case of contact with eyes, rinse them up with a large quantity of clean water and consult a doctor. It shall be recommended to use gloves, safety goggles and protective clothing.