

Technical sheet 24.08.2018

ADEPLAST® Color system

AERIAPLAST with PORUS X

Structured decorative plaster

Use:

Structured decorative plaster based on synthetic resins for interior and exterior use, according to SR EN 15824 : 2009. Super-washable product, flexible, waterproof with 'pearl' effect, with permeability to water vapors.

Product ensures surface resistance to scratch, impact, dirt and bad weather. Product for application on mineral bases, in a single layer, in professional finishing system.

Product is delivered ready colored based on the ADEPLAST® color palette or in coloring bases with pastes, before application.



Characteristics:

- High productivity application
- Bright colors
- Coverage of surface imperfections

Technical data:

Item No.:	APTD(1,2,3); APTZ (1,2,3)
Material foundation:	Synthetic resins, water, titanium dioxide, mineral ingredients, additives
Permeability to water vapors:	V ₁
Water absorption:	W ₃
Adherence:	≥ 0.3 N/mm ²
Heat conductivity:	≥ 0.7 W/m·K
Air/substrate temperature when placing:	Between +5°C and +25°C
Consumption:	approx. 2 kg / m ² / granularity 1 mm smoothed structure approx. 2,5 kg / m ² / granularity 1,5 mm / smoothed structure approx. 3,5 kg / m ² / granularity 3 mm / smoothed structure approx. 2,8 kg / m ² / granularity 2 mm / scratched structure approx. 3,1 kg / m ² / granularity 3 mm / scratched structure
Packaging:	Plastic bucket
Delivery:	28 kg

Storage / Validity:	24 months from date of fabrication on the packaging, at temperatures between 5°C and +30°C. Store in dry frost free spaces and away from direct sunlight exposure, on wooden pallets.
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Technical data and those related to consumption are determined in standard conditions. There may be differences depending on conditions of applications. Precise consumption is determined on test surfaces.

Base:

Product is applied on flat, clean and resistant surfaces. Any smoothness differences are corrected prior to application of paint. Surfaces must be free of materials that can form a separator layer (e.g. oils or other similar). Depending on the absorption of the base, it is primed with ADEPLAST® Primer for decorative plasterworks. Bases with very high absorption are primed with ADEPLAST® Impregnation Primer. During application and drying, air and substrate temperature must not drop under +5°C or rise above +25°.

Processing:

Product contains natural mineral material and may show color differences from batch to batch. For this reason, running surfaces must be completely covered with material from the same batch. ADEPLAST® color palette as well as color samples shown, are purely indicative.

ADEPLAST undertakes to keep as well as possible this colors, but perfect match cannot be guaranteed. Before beginning works, it is required to completely color the material necessary for the entire surface. Prior to application, material from the bucket is mixed with an electric mixer for homogenization. If the material is not homogenized, there may be optical differences on the surface.

If the material has a high viscosity, it can be diluted with water, with max. 0, 3 liters/bucket. Dilution is done in the same quantity for all buckets of material. In case with of very high viscosity, it is recommended to mix the material with a Visco Jet pugmill mixer.

Applying the primer:

For structured decorative plaster, ADEPLAST® Primer for decorative plasterworks is used in advance. Primer is colored in the same shade as the decorative primer. Primer is applied homogenous with a roller on the entire surface. Before applying the decorative plaster, primer must be uniform and completely dry. Drying time: min. 24 hours.

Applying the decorative plaster:

Depending on the size of the surface, it is necessary to properly organize the activity.

Material estimated for the entire surface of each arm of the scaffold must be ready mixed and placed on the scaffold at regular intervals. Minimum two persons, recommended 3 persons are necessary on each arm of the scaffold. Two people are laying out the material in advance and one person levels it, being supplemented, when needed, by one of the people laying out the material. Application is started at the highest arm of the scaffold, the team on the lower arm leaving 1-2 meters advance for the first team. Persons who level the material, start by leaving a 1-2 m advance for the persons who lay out the material, on the same arm of the scaffold.

Purpose of this organization is that all connections are done wet on wet, and thus preventing irregularities on the surface.

Additionally, a person is required to stay ready at the base of the scaffold for any emergency that may occur: recover the fallen tools, replace a colleague, water supply, material supply, etc.

Decorative plaster, especially during summer, is not applied under direct sunlight, temperature above +30°C, wind, rain or impending rain - especially in such conditions, surface is protected with a net.

Decorative plaster, especially during summer, is applied between 5am and 11am. During summer, decorative plaster can be applied in the afternoon only after 17pm, only if the surface is oriented to the North and is not exposed to direct sunlight during the day, as well as if surface can be finalized before it goes dark.

This method of organization is a recommendation. It is also recommended that the material is applied by experienced staff. Any forcing of the generally accepted limits increases the risk of deterioration and poor quality.

Applying the decorative plaster, smooth structure 1mm, 1,5 mm, 3 mm or scratched structure 2mm, 3 mm:

Material is applied on the surface in a thin layer with a stainless steel grouter, as much as possible at the thickness of the granularity. Both lack of and excess material can cause structure differences visible on the final surface. Surface laid with fresh material can be levelled with a plastic grouter. Smooth structure is obtained with circular movements. Scratched structure is obtained with vertical, horizontal, circular or irregular movements, as desired. Excess material on the smoothing board is removed continuously. Do not insist with the plastic smoothing board on an area because it can acquire a shade of grey. Leveling is done continuously minutes after laying the material on the surface. Prolonging the time between laying the material and levelling, reduces the degree of workability because the material starts to pull up to the surface.

Under normal temperature and humidity conditions, respectively 20°C and 65%, apparent drying time is approx. 24 hours and 7 days for complete drying. Under high humidity or low temperatures, drying time increases for the applied layers. Exposure to rain before complete drying can lead to white leaks on the surface.

VOC:

VOC EU limit [g / l]: cat. A / c: 40 (2010)

VOC product, max. [g / l]: 40, product in ready-to-use condition.

Important:

- During application and drying, consideration must be given to additional measures for the protection of surfaces against fast dehydration, bad weather or frost;
- Adjacent surfaces that are not intended for paint finishing must be protected, respectively covered with foil;
- Product cannot be applied on oil-based paint layers or supports that contain clay;
- This technical sheet replaces all previous versions. Information in this technical sheet represent our experience with this product up to this day. This technical sheet does not clear the user of the product from making his own decision and evaluation including by samples, regarding the appropriateness of using the product. SCHOMBURG / ADEPLAST products as well as their aggregate raw materials are continuously monitored in our own laboratories for consistent quality. Our advisory service is available for questions regarding product application and demonstrations. Comply with the information in the security technical sheet.