

# Tekno Machine Plaster

Cement Based, Machine Plaster for  
Interior and Exterior Walls



It is in compliance with TS EN 998-1 standard.

Public Pos. No: 100.300.1353

**Product Description** it is a cement based special plaster used for coating the materials on concrete surfaces at interior and exterior spaces and increases the strength of the surface.

## Areas of Usage

- Residences, shopping centers and hospitals,
- For horizontal, vertical and overhead applications,
- On all kinds of reinforced concrete civil engineering constructions.
- In foundations, tunnels and roadside slopes.

## Features and Benefits

- It has high adhesion strength.
- It provides saving on time and workmanship.
- It is easy to apply and give shape.
- It has vapor permeability.
- It is inflammable.

## Application Instructions

**Surface Quality:** The surfaces must be clean, smooth, solid and free of substances and residuals preventing adhesion such as all kinds of dust, grease, rust, molding oil, and detergents, etc. The surfaces must be smooth, the weak parts must be removed.

**Surface Preparation:** The dry and absorptive surfaces should be wetted before the application in very hot weathers. The aerated concrete, gas concrete and necessary surfaces should be prepared for plastering by pre-rough or appropriate primer. Pre-rough or primer should cover 100% of the surface and dried completely. Brick may be applied on wall directly. It can be applied with appropriate plastering machines. The material applied with the plastering machine should be sprayed on the surface evenly. The surface should be leveled out with float. When the surface is hardened, the defects on the surface are scraped with a suitable hand tool, and plaster surface is wetted slightly and leveled out with the aid of a sponge. Plaster application thickness should not exceed 25 mm in one time. In order to produce a thicker plaster layer, the first applied should become to a condition to be able to carry the upper layer (at least 1 day). The recommended maximum plaster thickness is 50 mm, it is recommended to use mesh in the second layer, if needed. It is recommended to wet the plaster when needed during the drying period. During application or drying period, the ambient temperature and surface temperature should be between minimum +5°C and maximum +35°C.

## Application Notes / Restrictions

- The product should be protected against frost until it is set. The application should be protected against wetting due to rain or various reasons until its drying period completed.
- In case the ambient and surface temperature exceeds +35°C, the surface should be wetted by spraying method (with non-pressurized water) at certain intervals in order to prevent sudden dehydration and ensure the plaster sets in a good manner.
- Product may irritate the skin in case of contact. Work clothes, protective gloves, mask and goggles should be used. Before starting to work, protective cream may be put on hands. In case the mortar contacts with eyes, eyes should be washed immediately with warm water, and medical advice should be get.

- The next layer / product application should not be made without the products are dried completely (provided that the periods change at current environment conditions).
- During preparation, foreign substances or additives should not be added into the product.

## Technical Data

General Information		
Appearance	Grey / Beyaz	
Shelf Life	12 months in dry environment in its unopened package	
Package	25 kg kraft bag	
Maximum Particle Size	1,2 mm	
Application Information		
Application Temperature	(+5°C) – (+35°C)	
Mixture Proportion	4,75 – 5,75 l water / 25 kg powder	
Performance Information		
Water Vapor Diffusion Coefficient (μ)	≤ 15	(TS EN 1015-19)
Compressive Strength	≥ 10,0 N/mm²	(TS EN 1015-11)
Bond Strength	≥ 0,20 N/mm² FP:B	(TS EN 1015-12)
Capillary Absorption	W0	(TS EN 1015-18)
Minimum Plaster Thickness	On Walls: 10 mm / On Ceiling: 8 mm	
Maximum Plaster Thickness	max. 25 mm for each stage (Maximum 50 mm in total)	
Consumption	Approximately 15 kg / m² (per 1 cm application)	
Dry Bulk Density (TS EN 1015-10)	1550 ± 200 kg /m³	
Thermal Conductivity (EN1745:2012)	λ 10 kuru-P%50) : 0,79 W /m.k	
Reaction to Fire	A1	(TS EN 13501-1)

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity and valid for its performance after 28 days.