



TECHNICAL DATA SHEET

FL-STAMP

SURFACE HARDENER FOR PRINTED CONCRETE SYSTEMS

DESCRIPTION:

Cement and quartz fillers based, reinforced with chemical additives, colored, surface hardener which is applied monolithically to the surface of stamped concrete systems

APPLICATION AREAS:

Applied as sprinkling by hand to create a high quality concrete floor with high abrasion strength for areas that are exposed to heavy traffic and a decorative appearance is desired ((pavements, walking paths, shopping malls, metro-train stations, warehouses, hangars, workshops, etc.).

ADVANTAGES:

- * Provides 30% increased concrete surface hardness by it's quartz filler, provides high impact resistance and abrasion resistance.
- * Provides reducing water absorption of the concrete floor.
- * Prevents dust formation and damages because of abrasion.
- * Prevents flaking on the ground caused by freezing and thawing.
- * Provides long-lasting, functional and decorative coloring on concrete floors with it's color options.

SURFACE PREPARATION:

Application surfaces should be clean and sound. The concrete should be poured in the form of slabs and levelled with a wooden trowel. After the concrete application and the levelling of the surface finished, it should be strongly pressed on the surface with the thumb to check if fresh concrete surface is ready for the hardener application or not. If fingerprint depth is about 3-5 mm, the surface is ready for FL-STAMP hardener application.

PRODUCT PREPARATION:

25 kg FL-STAMP surface hardener is ready for use, it is applied as powder. No mortar preparation is required.

APPLICATION METHODS:

- * FL-STAMP surface hardener is applied as minimum 3 kg/m² for natural color and as minimum 5 kg/m² for other colors.
- * First, 2/3 of FL-STAMP is sprinkled evenly on the entire concrete surface and a smooth distribution is ensured with a trowel.
- * Surface hardener is matured until it absorbs water from the concrete surface and gets wet.
- * The surface is smoothed by using a mechanical floating trowel.
- * The same process is repeated for the remaining 1/3 of FL-STAMP.
- * When the surface is hard enough to walk on it, it is smoothed by the mechanical floating trowel at high speed for a last time.
- * Immediately after the smoothing is completed, the molding application should be started by using FL-MOLD powder mold release agent for stamped concrete systems. For application details, please refer to the FL-MOLD technical document.
- * Ambient and surface temperature should be between +5°C and +30°C during the application.
- * Any additional material (lime, cement, gypsum etc.) should not be added in the mortar.
- * Surface should be protected from airflows, sudden temperature changes and foot traffic during and after the application.
- * Mortar should not be applied on frozen, melting or within 24 hours danger of frost surfaces.
- * Application time of FL-STAMP should be well adjusted according to concrete and environmental conditions. It should not be applied to dry concrete surfaces.

SHELF LIFE:

Unopened original packages can be stored in dry (%60 R.H.) and cool (+5°C / +25°C) environments for up to 12 months.

APPLICATION LIMITS:

Maturation Time: 10 min.

Drying Time: minimum 1 days

UNIT CONSUMPTION:

8 m² / 25 kg package FL-STAMP (natural grey)

5 m² / 25 kg package FL-STAMP (other colors)



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Surface Protection Products / Cement Based Surface Hardener

Principle 5.1 (C)

Reaction To Fire A1 Sınıfı

Capillary Water Absorption and Water Permeability $\leq 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$

Resistance To Abrasion (Taber) $\leq 3000 \text{ mg}$

Impact Resistance Sınıf I

Adhesion Strength By Pull-Off $\geq 1,0 \text{ N/mm}^2$
No Traffic Load/Rigid

Time Required For Opening To Traffic 24 hours

PERFORMANCE DECLARATION NO 1504-2 / PB-06.004



GHS05



GHS07

H315: It causes skin irritation.

H318: It causes serious eye damage.

H335: It may cause respiratory irritation.

P280: Wear protective gloves/protective cloths/eye protection /face protection.

P305 In case of contact with eyes, rinse carefully with water

P351 a few minutes. If available and easy, remove contact

P338: lenses. Continue rinsing.

