

POLYSTAMP-HR 860

(former HARDENER FOR STAMPED CONCRETE FLOORING)

COLORED HARDENER FOR MEDIUM CIRCULATION STAMPED CONCRETE FLOORINGS

GENERAL CHARACTERISTICS

POLYSTAMP-HR 860 is a colored hardener in form of powder consisting of acrylic resins, cement, selected quartz aggregates and special admixtures and improvers, which reinforce the mechanical resistance of the flooring.

- Suitable for medium circulation stamped concrete flooring.
- It forms hard, weather resistant, not requiring maintenance, anti-slip, decorative, colored flooring, which combines beauty and low cost with the durability of concrete.
- It is combined with the **POLYSTAMP RELEASE 861** in order to facilitate the release of stamp tools and give another color shade to the final surface and **POLYSTAMP PROTECT 862** for creating glossy surface while preventing the quick evaporation of water.
- Ideal for pavements, entertainment parks, pool decks and surroundings, driveways, entries and courtyards, patios, outdoor restaurants, outdoor areas of hotels, recreation parks, villages etc.
- The final surface can be created with the combination of multiple patterns and colors and provide modern or traditional style by choice.

TECHNICAL DATA

Basis:	acrylic, cementitious
Appearance:	powder
Colors:	available in 30 colors
Bulk density:	1500 ± 30 gr/lt
Final strength:	after 7 days at 23°C
Compressive strength: (ASTM D 695)	50 N/mm ² , 7 days at 23°C
Flexural strength: (Din 1164)	12 N/mm ² , 7 days at 23°C
Granulometry:	63 µm – 2000 µm
Temperature for the application and drying of the material:	5 – 30°C

PREPARATION - APPLICATION

The success in the application depends on the right preparation of the underlay and use of the material.

- Placing of concrete, reinforced with special polypropylene fibers in order to avoid cracks (12-15cm thickness for circulation of cars and high mechanical stress on soil, or 7-8cm thickness for pedestrians on old concrete surfaces).
- Smoothing of the surface using a special trowels.

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- Application of **POLYSTAMP-HR 860**. The material is applied dry by dredging on fresh concrete before concrete reaches its hardening limit.
- Then follows the application of **POLYSTAMP RELEASE 861** (consumption: 300-500gr/m²).
- After several days, depending on the climate, the excess release powder is washed away with water under pressure.
- When concrete is completely dry, follows application of the **POLYSTAMP PROTECT 862** in two coatings using a ripoline roll or brush until the surface is saturated (consumption: 200-300gr/m² in two layers depending on the absorbency of the surface). The next layer follows the other before the previous one dries entirely. The **POLYSTAMP PROTECT 862** protects, enriches and amplifies the final colors of the **POLYSTAMP-HR 860** and **POLYSTAMP RELEASE 861** providing weather resistance.
- Finally, the joints of the flooring are cut in order to avoid cracks.

CONSUMPTION

2,5-4Kg/m², depending on the color of the material.

PACKAGING

Supplied in bags of 20 kg.

STORAGE

One year in unopened bags, in dry conditions.

REMARKS

Application should be avoided with blaze, wind or rain.

For the creation of the final pattern of the surface, stamp tools should be used one beside the other. Keeping stamps fitted tightly together is important to create neat grout lines.

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of POLAT S.A.

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