

FLOOR HARDENER – COLORED

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PRODUCT

TARGET® Colored Floor Hardener is a specially formulated product containing accurately weighed cementitious materials, high quality coloring pigments and natural angular mineral aggregates which have been graded to particle sizes for flooring work.

COLOR



Medium Grey



Red

Sample colors only, not a true representation of final application.



Green



Brown

NOTE: Limited ranges of custom colors are available. Contact your TARGET representative for information.

USES

TARGET Colored Floor Hardener is used to beautify plain concrete floors and at the same time provide a harder surface which is more durable and abrasion resistant than plain concrete. Using proper application procedures it is possible to obtain an attractive, easily cleaned floor with good slip resistance. Typical applications include industrial buildings, shopping centers, public buildings, cafeterias, theaters, sidewalks and driveways. Since the aggregates in TARGET Colored Floor Hardener are non-metallic, they are non-rusting and suitable for both interior and exterior use.

NOTE: For exterior use see Caution section.

Product performance is affected by many factors, including storage, method and conditions of application and use. User testing is ESSENTIAL to determine suitability of product for intended method of application and use. Target's SOLE WARRANTY is that the product has been manufactured to specifications. No oral or written information or advice shall increase this warranty or create new warranties. Target's SOLE LIABILITY is to replace product proved defective. In no event shall Target be liable for any consequential, indirect or other damages whether arising from negligence or otherwise.

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CAUTION

- These products are not designed for heavy-duty industrial floors. Where superior abrasion resistance is required, the use of TARGET Synthetic Floor Hardener could be preferable.
- In cases of severe impact and abrasion the use of a metallic floor hardener may be preferable. Consult TARGET Products Ltd for advice if floor loads due to heavy rolling loads are likely to exceed 55 MPa (8000 lb/in²) or if severe impact loads are likely to be experienced.
- For best results the air content of the concrete to which the floor dressing is applied should not exceed 3% for concrete which will not be exposed to freezing and thawing. If TARGET Colored Floor Hardener is to be applied to concrete which will be exposed to freezing and thawing, contact Target Products Ltd for advice on the air content and procedures required.
- DO NOT use calcium chloride in concrete over which TARGET Colored Floor Hardener will be applied.
- While TARGET Colored Floor Hardener will provide improved resistance to many chemical substances it is not recommended for use on floors exposed to acids and their salts.
- The final appearance of colored floors will depend on the care taken during installation and curing. Special care should be taken to ensure that each shake is evenly distributed. The finished floor surface should be protected from staining or physical damage by other trades and coated with appropriately colored TARGET Hi-Sheen Gas & Oil Resistant Sealer.
- Moist curing procedures such as water spray, ponding, wet burlap or plastic covers should NOT be used with TARGET Colored Floor Hardener, as they can result in discoloration and a mottled surface appearance.

PROCEDURES

1. Apply TARGET Colored Floor Hardener in two dry shake applications of equal weight.
2. Apply the first shake after sufficient floating has been carried out to bring enough moisture to the surface for combining with the dry material.
3. When the moisture from the concrete dampens the first application of dry shake, refloat the floor surface to obtain thorough mixing of the shake with mortar from the concrete.
4. Immediately following this floating evenly distribute the remaining dry shake over the concrete surface. The second application should be perpendicular to the first.

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5. Carry out a final floating to obtain thorough mixing with the previously applied surface treatment. Avoid excessive floating.
6. With light colored floors use only stainless steel trowels for hard trowelling.

TEMPERATURE

Concrete and air temperatures should be above 10°C (50°F) during the application of TARGET Colored Floor Hardener. If space heaters are used to increase air temperatures, care must be taken to avoid damage to the concrete surface due to carbonation.

CURING

Direct moist curing should **NOT** be used with TARGET Colored Floor Hardener. Saturated filter fabric may be used to ensure adequate curing prior to the application of Colored TARGET Hi-Sheen Gas & Oil Resistant Sealer.

COVERAGE

Rates of application vary with the planned traffic conditions and the depth of color required. Typical rates are:

Minimum	75 lb/100 ft ²	(37 kg/10 m ²)
Maximum	100 lb/100 ft ²	(50 kg/10 m ²)

TYPICAL PROPERTIES OF TARGET COLORED FLOOR HARDENER

COMPRESSIVE STRENGTH at 28 days, 50.8mm (2 inch) cube samples 0.45 water/cement ratio	55 MPa (8000 lb/in ²)
AGGREGATE HARDNESS	6.5 Moh scale
TABER ABRASION weight loss with 1000g load at 1000 cycles, using Calibrate H-22 abrasive wheels	3.6g (6.0g for untreated concrete)

NOTE: Abrasion loss for plain concrete was 6.0g

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SPECIFICATION GUIDE

Floor Hardener shall be TARGET Colored Floor Hardener or approved equivalent material containing Portland cement and non-metallic aggregate. The color of the floor hardener shall be as approved by the architect. The hardener shall be applied as two dry shakes to give a total hardener application rate of (insert required rate for service conditions).

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