

NSH 650 SURFACE HARDENER

CT-C50-F6-A12 ACCORDING TO
EN 13813

DESCRIPTION

NSH 650 is a polymer-modified, cement-based, floor hardener, used for flooring applications with high strength demands. It consists of cement, quartz sand, pigments and additives.

It exhibits high resistance in abrasion and shocks. It is produced in three shades:

- NSH 650 - grey
- NSH 650 - yellow
- NSH 650 - red color

RANGE OF APPLICATION

This product is highly recommended for obtaining concrete abrasion resistance both indoors and outdoors as well as in areas of moderate to heavy traffic:

- Parking lots
- Maintenance buildings
- Parking lot decks
- Warehouses
- Loading-unloading areas
- Industrial floors

APPLICATION

NSH 650 is applied mechanically by laser screed or dry by broadcasting on fresh concrete or on fresh cement based floor screeds after the starting of setting.

Manual application:

First the surface "bleed" water must be removed or evaporate. Sprinkle NSH 650 evenly on the concrete in 2 layers. During application of the product, you must avoid creating ripples etc. in the concrete surface.

Compaction:

The first layer of NSH 650 is applied on the slab using a special smoothing machine (power float)

and then immediately the application of the second layer is followed.

Mechanical Application:

Spread NSH 650 is applied evenly onto the concrete using a laser screed in one layer immediately after the application of the concrete.

Adding water to the surface where NSH 650 has been applied is forbidden.

Air and substrate temperature during the application and the next 24 hours must be between +5 and +35°C.

DO NOT APPLY

- If frost is forecast within 24 hours of use
- In damp/wet conditions
- On elevations in direct sunlight or where the substrate is hot

CONSUMPTION

The consumption of the NSH 650 is:

- about 3-5 Kg/m² for application by broadcasting.
- 15-17 Kg/m² for application as a common floor screed mixed with water.

STORAGE

The material has to be stored on wooden pallets in dry conditions at a temperature above 0°C. Shelf life in original sealed packaging is at least 12 months from the production date printed on the package.



ATTENTION

NSH 650 contains cement and reacts with water, producing an alkaline solution. Therefore protect eyes and skin. In case of contact rinse thoroughly with water. In case of contact with the eyes seek medical advice immediately.

Read the information on the label and the Technical data sheet of the product before use. Wear suitable protective clothing and gloves. MSDS of the product is available on demand by the professional customers.

TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
Appearance		-	powder
Color		-	<ul style="list-style-type: none">• Grey• Yellow• Red
Reaction to fire	(EUROCLASS)	acc. legislation	A1
Maximum grain size	(mm)	EN 1015-1	2,0
Shrinkage	(mm/m)	THR.METHOD	1,1-1,2
Dry bulk density	(Kg/l)	THR.METHOD	1,5-1,6
Bulk density of fresh mortar	(Kg/l)	EN 1015-6	2,1-2,2
Compressive strength	(N/mm ²)	EN 13892-2	≥ 50
Flexural Strength	(N/mm ²)	EN 13892-2	≥ 6
Wear resistance Bohme	(Class)	EN 13892-3	A12
Adhesion Strength	(N/mm ²)	EN 1015-12	1,3

Note: The measurements were taken in laboratory environment under a temperature of +23°C, Relative humidity 50 % and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate.

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.