

POLYHARD L

Sodium Silicate Floor Hardner

TDS_Polyhard L_GCC_0312

POLYHARD L is a colorless low viscous liquid applied to floors to get a hard and dustproof finish. The ingredients present in Polyhard L react with the free lime present in cement and on hydration form hard and insoluble crystals, thus binding the particles and providing the floor with a hard and dust free surface.

CHARACTERISTICS

- ▶ Applicable to new and old floors.
- ▶ Economical, simple and easy to use.
- ▶ A permanent treatment for concrete floors.

FIELDS OF APPLICATION

An economic and typical hardening and dust proofing material for concrete floors or cement screeds. Mainly used in Factories, warehouses, workhouses, workshops, industrial units, garages etc.

COMPOSITION

POLYHARD L is an aqueous solution of selected surface active chemicals with sodium silicate.

APPLICATION

The surface to be applied should be free from oil, grease or any other loose materials. Prior to the application of Polyhard L the surface should be thoroughly dried. Stir the product well prior to use. Pour the material evenly over the surface of concrete or sprinkle it with suitable methods. Material that is not absorbed or penetrated totally should be wiped off and dried completely. In the same manner apply a second coat after 24 hours. In some particular cases, a third coat is also necessary. Once the application is over, wash the surface with clean water after 24 hours. When applying on fresh concrete, ensure that concrete is fully cured.

COVERAGE

Smooth concrete: 5m²/litre

Tempered concrete: 4m²/litre. The coverage may vary depending on the porosity and surface finish.

CLEANING

Tools can be cleaned with clean water.

PACKING

20 lt. pail & 200 lt. Drum.

STORAGE

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air – conditioned environment.

SHELF LIFE

Shelf life is up to 12 months when stored as per recommendations.

HEALTH AND SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Density, [kg/m ³]	1.1 ± 0.05	ASTM D 1475
Solid Content [% by wt.]	8.5 ± 2	ASTM D 1644

All values given are subject to 5-10% variation.

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

Manufactured in G.C.C.



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