

# FORCE VARNISH

7.15

Waterborne varnish for structural surfaces



Packaging	3 Lt	9 Lt
Bases	—	—
Matt	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gloss	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Description

FORCE VARNISH is a one component varnish based on new technology acrylic resins (self crosslinking resins). It has excellent quality characteristics such as resistance to weather conditions and resistance to mechanical stress. It develops strong adhesion on surfaces where applied. It is suitable for any structural surface such as brick, concrete, concrete floors and for surfaces where applied forged cement. It can also be used on previously painted surfaces after appropriate preparation. It is applied on vertical or horizontal external and internal surfaces.

## Product Characteristics

- UV Protection (Hals protection).
- Non - yellowing.
- Water - soluble.
- Gloss, satin and matt finish.
- Transparent.
- Does not alter the shade of the painted surface.
- Excellent resistance to weather conditions.
- Excellent resistance to mechanical stress.
- Resistant to mild cleaners.
- Strong adhesion.
- Easy to apply.
- Suitable for indoor and outdoor use.
- Harmonized with Directive 2004/42 / EC.

## Application Instructions

The product is ready to use. On new surfaces and to facilitate the absorbedness of the product, it is recommended for the first coat to thin with water at a percentage of of 5 - 10% by volume. It is applied by roller or brush at 2 - 3 coats (in case of new surface) with a time interval of 3 hours between them. The material obtains its final strength after 14 days. After 2 days can be made gentle and careful use.

## Surface Preparation

Surfaces must be clean, dry and free from dust, grease, oils, etc. If the surface is forged cement or treated with various cementitious materials, then it should be allowed to dry thoroughly before applying Force, for at least 21 days. If the product is used on already painted surface, then it should first be ground mechanically and then cleaned before application. The conditions during application should be a mild, with temperature of 12 to 30°C and relative humidity of maximum 80%. Also after the application of the product there should not be a high chance of rain or humidity for at least 48 hours.

**After use, remove any remaining paint from the tools and clean them with water and soap. Eluants must be handled according to the current legislation and the local regulations.**

## Technical Specifications

**Binder:** Special, high performance, synthetic resin.

**VOC:** 100gr / lt (thinned - ready to use).

**Special gravity:** 1,03 ± 0,01gr/ml (ISO 2811)

**Viscosity:** 40 - 50 sec, 25°C (Flow Cup 4 DIN 52311)

**pH:** 8.0±0.2

<b>Gloss:</b>	<b>Glossy</b>	70 - 80 units at 60°
	<b>Satin</b>	30 - 40 units at 60°
	<b>Matt</b>	15 - 20 units at 60°

**Coverage:** 14 - 18m<sup>2</sup>/lt (these values may vary, depending the surface absorbency and the application method)

**Solvent:** Water.

**Thinning:** The product is ready to use. For new surfaces and to facilitate the absorbedness of the product, it is recommended for the first coat to thin with water at a percentage of of 5-10% by volume.

**Touch dry:** 1 to 1.5 hours. (These times can be elongated depending on the temperature and humidity)

**Recoating:** After at least 3 hours. (These times can be elongated depending on the temperature and humidity)

**Application:** The product is applied by brush or roller.

### Labelling- Prevent Environmental Damage

The product is not classified as hazardous and does not require warning safety measures. Empty containers and product residues must be disposed of in accordance with current legislation and local regulations. For more information ask the Material Safety Data Sheet.

### Storage

Keep containers tightly closed and protect from frost. For long term storage the product is best kept indoors to avoid exposure to very low or high temperatures and high humidity.

### Transportation

Not classified as dangerous for road transport under Regulation ADR.

### According to 2004/42/EC

Phasell, Subcategory one-pack performance coatings / floor varnish, Max VOC Content limit value: 140gr/lt, Max VOC content value: 100gr/lt (ready to use product).

All the above information is based on laboratory tests and long-term experience of the company's scientific personnel. Product quality is guaranteed by our operational system, which is based on the requirements of ISO 9001 and ISO 14001 Standards and EMAS Regulation.

As producers we don't take any responsibility for any damage that may caused in cases that the product hasn't been used for the appropriate application and according to the application instructions.

### BERLING SA Paint Industry

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