

Ver-pool

Technical Specifications

Date of issue: 28/09/2016

Version Number: 6th

Two pack epoxy paint



VER-POOL is a two-component epoxy-based paint, ideal for application on all surfaces that undergo severe mechanical and chemical strain. Due to its special composition, it develops a hard, waterproof, glazed, enamel-like surface with exceptional durability against friction, solvents, chloride, acids, saline deposits, alkali, gasoline, oil, diesel, detergents, water, etc., allowing for fast and easy cleanup of the painted surface. Its powerful adhesion and elasticity make it an ideal paint for swimming pools, cement or metallic tanks, workshop and industrial floors and generally any application that requires a highly durable surface against heavy-duty use. VER-POOL is applied both as a primer and finish, with no need for separate undercoats.

Surface preparation

Ensure that the surface is completely dry, clean and free from grease, dust, dirt, concrete salts and poorly adhesive materials. On new concrete surfaces, allow 4-6 weeks prior to the application of VER-POOL. For refinishing old surfaces previously coated with one component paints, remove completely old paints by wire-brushing, solvents or other suitable mechanical means (e.g. water blasting with warm water at 35-40°C and minimum pressure 300 bar - 4,41 psi). For refinishing old surfaces previously coated with two-component paints, sand the surface thoroughly by wire-brush or orbital sanders. Moss, lichen, algae, bacteria, etc. must be cleaned thoroughly with FUNGICIDE CLEANER fungicidal solution.

Thinning

As a primer, 30-40% with nitrocellulose thinner N2. As a top coat, up to 10% with nitrocellulose thinner N2.

Physical / Technical Characteristics

Viscosity	100-120 sec (DIN 53211-CF4, 25°C)
Density	1,42-1,44 kg/lit depending on the shade (ISO 2811.01, 20°C)

Mixing proportion

4 parts of component A' to 1 part of component B' by weight. If more than the necessary quantity of component B' is added, then spots can appear in the dry coating, which may disappear over time.

Pot life at 20°C

6-8 hours.

Application

Prior to application, always stir well each component separately. Then, mix the two components together and stir well to homogenize the mixture. Once the preparation and mixing proportion are completed, apply with a brush, roller, spray gun or airless one coat of VER-POOL as primer, diluted 30-40% with nitrocellulose thinner. After 8 hours, apply two or three coats of VER-POOL as finish, diluted up to 10%. Allow at least 8 hours between coatings.

ATTENTION!! Swimming pools can be filled with water only 10 days after the application of the final coat. Chlorine levels should be kept around one to two ppm. Three ppm or above will shorten the life of the coating. When using cyanuric acid stabilizer, take care not to exceed 55 ppm, as this will give false reading of total alkalinity. Do not confuse total alkalinity with pH. Total alkalinity should be kept at 160 ppm. Should a dusty or white powdery surface become noticeable, it may be removed by the appropriate pool cleaning equipment and tools. Follow this with 8 hours filtration, and then back wash the filter. Finally dose the pool with bi carb soda so as to bring the total alkalinity to the desired levels.

Drying - Recoating

Drying times on a day of around 25°C: Touch dry: 1 hour. Recoat: After 8 hours, but not later than 48 hours. Total surface hardness is achieved in 7 days. Under cooler or humid conditions, allow longer times. Do not apply at temperatures lower than 10°C or when the relative humidity exceeds 70%.



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Coverage

Approximately 12 m² per kilo, on a properly prepared surface for a dry film thickness 40 µm.

Colour shades

It is available in white, Mediterranean blue and light gray.

Gloss level

It is available in full gloss.

Storage

12 months, if stored in factory sealed containers, in a cool, dry place and temperatures ranging from 5°C to 40°C. Left over paint must be stored, in tightly sealed containers and temperatures ranging from 5°C to 40°C.

Volatile organic compounds (VOC)

As a primer: The maximum EU limit value (Directive 2004/42/CE) for this product [Category A/h (Binding primers), Type SB] is 750 g/l (2010). This product contains maximum 600 g/l VOC (ready for use).

As a top coat: The maximum EU limit value (Directive 2004/42/CE) for this product [Category A/j (Two-pack reactive performance coatings for specific end use such as floors), Type SB] is 500 g/l (2010). This product contains maximum 499 g/l VOC (ready for use).

Packaging

Component A		4 kg.
Component B	1 kg.	

Safety information

Read the label before use. For detailed instructions - precautions, consult the Product Safety Data Sheet. Poison Information Centre: (+30) 210 77 93 777.



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