

MARISEAL® 760

Aliphatic Polymethylmethacrylate Coating Transparent, Glossy, UV stable

Product description

The MARISEAL® 760 is a premium, transparent, **glossy**, semi-rigid, one component polymethylmethacrylate coating with impact and abrasion strength and very good UV stability, used for as a transparent coating for natural stone sealing or as a transparent concrete sealer.

Advantages

- Simple application (roller or airless spray).
- One component.
- Resistant to constant, medium abrasion.
- Non-yellowing, UV stable
- Gives a glossy and easy-to-clean surface.
- Does not show the chalking effect of aromatic polyurethane waterproofing coatings.
- Resistant to water and frost.
- Maintains its mechanical properties over a temperature span of -20°C to +90°C.
- The waterproofed surface can be walked on (pedestrian traffic).
- Resistant to bacteria and fungus.
- Stops the creation of dust.
- Decorate the surface and improves the working environment.

Uses

The MARISEAL® 760 is mainly used in floor coating applications, either as a transparent, UV stable, solvent free coating natural stones or as a transparent concrete sealer.

Due to its properties is widely used for decorative flooring applications on

- Natural Stones
- Concrete
- Power Floated Concrete
- Stamped Concrete, etc

Consumption

300-400 gr/m² in two layers.

This coverage is based on practical application onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

Colors

The MARISEAL® 760 is supplied transparent

Technical data*

| PROPERTY | RESULTS | TEST METHOD |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|
| Composition | Aliphatic PMMA polymer. Solvent based | |
| Resistance to Water Pressure | No Leak | DIN EN 1928 |
| Elongation at break | >30% | DIN EN ISO 527 |
| Tensile strength | >2 N/mm ² | DIN EN ISO 527 |
| Surface chalking after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m ²) | No chalking observed. Chalking grade 0 | DIN EN ISO 4628-6 |
| Adhesion to concrete | >1,5 N/mm ² (concrete failure) | ASTM D 903 |
| Hardness (Shore D Scale) | 20 | ASTM D 2240 (15") |
| UV accelerated ageing, in the presence of moisture | Passed - No significant changes | EOTA TR-010 |
| Service Temperature | -20°C to +90°C | Inhouse Lab |
| Application Temperature | 5°C to 35°C | Conditions: 20°C, 50% RH |
| Tack Free Time | 1-4 hours | |
| Light Trafficking | 12 hours | |
| Final Curing time | 7 days | |

Application as Transparent Natural Stone Sealer

Surface Preparation

Careful surface preparation is essential for optimum finish and durability. The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the coating. Maximum moisture content should not exceed 5%. Possible surface irregularities need to be smoothed. Any loose surface pieces and dust need to be thoroughly removed.

WARNING: Do not wash surface with water!

Natural Stone Sealer

Apply the MARISEAL® 760 onto the previously prepared Natural Stone surface by roller in one or two layers.

Application as Concrete Sealer

Surface Preparation

Careful surface preparation is essential for optimum finish and durability.

The surface needs to be grinded with a stone- or a diamond-grinding machine. The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the coating. Maximum moisture content should not exceed 5%. Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa. New concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. Any loose surface pieces and grinding dust need to be thoroughly removed.

WARNING: Do not wash surface with water! Do not use a metal-ball blasting machine to grind the surface, because the heavy metal-ball impacts destroy the cohesion of the concrete surface and lower its stability.

Repair of cracks:

Clean cracks and hairline cracks, of dust, residue or other contamination. Fill all cracks with suitable putty. The next day smoothen the putty surface with a sandpaper or a mechanical grinder.

Concrete Sealing

Make sure that the concrete surface to be coated was previously prepared (grinded and cleaned) and is according specifications. Apply the MARISEAL® 760 by roller. After 2-4 hours (not later than 6 hours) apply the second layer.

For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

WARNING: The MARISEAL® 760 is slippery when wet. In order to avoid slipperiness during wet days, sprinkle suitable aggregates onto the still wet coating to create an anti-slip surface. Please contact our R+D Dept. for more details.

Packaging

MARISEAL® 760 is supplied in 17kg and 4 kg pails. Pails should be stored in dry and cool rooms for up to 9 months. Protect the material against moisture and direct sunlight. Storage temperature: 5°-30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

Safety measures

MARISEAL® 760 contains isocyanates. See information supplied by the manufacturer. Please study the Safety Data sheet. **PROFESSIONAL USE ONLY.**

Our technical advice for use, whether verbal, written or in tests, is given in good faith and reflect the current level of knowledge and experience with our products. When using our products, a detailed object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We are liable only for our products being free from faults; correct application of our products therefore falls entirely within your scope of liability and responsibility. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our R+D department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practice.

* All values represent typical values and are not part of the product specification.