

MARMOR FLOOR 804

GENERAL CHARACTERISTICS

MARMOR FLOOR 804 is three-component, decorative flooring consisting of hard quartz aggregates (grain thickness 0,7-1,2mm, 2-4mm and 4-6mm or bigger) or marble and polyurethane resins or epoxy resins.

- Creates colored, high resistant, decorative flooring of high aesthetic without joints, not requiring maintenance and meeting **health standards**.
- Suitable for exterior use with the usage of polyurethane, UV resistant resins.
- For interior surfaces it is recommended the use of epoxy-based **MARMOR FLOOR**.
- Resistant to acid solutions, alkalis, oil, grease, wastes.
- Resistant to mechanical stresses, wearing from friction and chemical effects.
- It is ideal for malls, squares, hotels, shopping centers, swimming pools and generally areas where high resistant and beauty is demanded.

Combines perfectly with **MARMOR PASTE 404** for a uniform appearance for floors and walls.

TECHNICAL DATA

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| Basis: | two-component polyurethane resin, aggregates |
| Appearance: | viscous paste |
| Colors: | available in 16 colors |
| Viscosity(A+B): | 200-550 mPa•s at 25°C |
| Density (A+B): | 1 ± 0,014 Kg/lit |
| Bulk density (C): | 1,465 ± 0,005 Kg/lit (grain thickness 2–4mm) 1,390 ± 0,090 Kg/lit (grain thickness 0,5–1,8mm) |
| Mixing proportion (A:B): | 68:32 by weight |
| Mixing proportion (A+B:C): | 10:90 by weight |
| Granulometry (C): | 2000 µm – 4000 µm 4000 µm – 6000 µm |
| Final strength: | after 7 days at 25°C |
| Temperature for the application and drying of the material: | 12 – 35°C after 2 days at 25°C |
| Walkability: | >3 N/mm ² (breaking of concrete) |
| Adhesive strength: | |

SUBSTRATE REQUIREMENTS

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| Concrete quality: | at least C20/25 |
| Age: | at least 30 days |
| Moisture content: | below 4% |

PREPARATION- APPLICATION

Applied only on dry surfaces. Protected from arising humidity and free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application depends on the right preparation of the underlay and use of the material.

- Grinding of the surface with a mosaic machine, with sandblast or rotor machine, depending on the thickness of the final coating.
- Caution must be taken so that temperature of the substrate as well as ambient air remains above 12°C during application and curing of the materials while relative environment humidity does not exceed 75%.
- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.
- Priming of the surface with **PU PRIMER POLYPRIME 880**. Consumption: 250-400 gr/m², depending on the absorption of the underlay.
- Following **MARMOR FLOOR 804** is applied.
- Good mixing of components A (resin) & B (hardener) packed into separate containers in fixed weight proportions. Mixing should be performed using a low revolution mixer (300-600 rpm) for 1-2 min. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the hardener. Afterwards, the whole quantity of component C (quartz aggregates) is gradually added into the mixture under continuous stirring until a uniform polyurethane mortar is formed.
- The polyurethane mortar is applied on the surface using a flat trowel. The material is pressed using a rectangular stainless trowel and laid until applied to the desired thickness (from grain thickness to 1 cm).

After hardening of the material (approx. 12 hours depending on the ambient temperature) and within 24 hours, follows the application of **POLYURETHANE VARNISH 807** (consumption: 300-400 gr/m²) in order for the surface to become rigid and to avoid any loose grains.

CONSUMPTION

Suggested:

6 Kg/m², for grain thickness 0,7-1,2mm.

12 Kg/m², for grain thickness 2-4mm.

APPLICATION TOOLS

Trowels, rectangular stainless spatulas. Tools should be cleaned with solvent immediately after use.

PACKAGING

Supplied in packages of 28 kg (two drums, one bag). Components A,B and C have the fixed weight proportion.

STORAGE

1 year in original unopened containers in dry places with minimum temperature 5 °C and maximum temperature 35°C, protected from moisture and heat.

REMARKS

- Working time of **MARMOR FLOOR 804** decreases when ambient temperature rises.
 - Prolonged storage of partially used containers must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
 - Do not mix or apply unless surface, air and material temperatures are over 12°C during the next 24 hours.
 - Do not apply to floors if there is moisture in the subfloor drive or hydrostatic pressure. Prior precautions measurements of humidity with special device are suggested.
 - In case old floors are going to be laid they must be thoroughly grinded and also the same procedure must be followed in case a long period of time interferes between successive layers, prior to application of a new layer.
 - It is recommended that tools are cleaned periodically with **POLYURETHANE SOLVENT** during application of **MARMOR FLOOR 804** for a smooth final surface.
 - After hardening, **MARMOR FLOOR 804** is completely safe for health.
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CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of KDF LTD.