7641 Hybrid, PFAS-free

Premium coating for non-absorbent / hard surfaces

7641 Hybrid Coating is a high-quality, two-component hybrid coating based on an epoxy-siloxane hybrid system. It is suitable for both sensitive natural stone surfaces such as marble and demanding industrial applications on metal, plastic, GRP, and other hard substrates.

The coating forms a highly transparent, glossy protective layer with easy-to-clean effect, color enhancement, excellent chemical and mechanical resistance, as well as anti-graffiti and anti-corrosion properties. It is resistant to UV radiation and weathering, and can be used both indoors and outdoors, e.g. in construction, marine environments, floors or facades.

PROPERTIES

- Highly transparent, glossy surface with color enhancement
- Hydrophobic & oleophobic easy-to-clean properties
- Excellent chemical and mechanical resistance
- UV and weather resistant
- Resistant to oil, fuels, household chemicals, and cleaners
- Re-coating possible
- For indoor and outdoor use
- Suitable for: stone, marble, concrete, metal, GRP, plastic, etc.

PRODUCT SPECIFICATION & CHEMICAL PROPERTIES

Base	Epoxy-siloxane hybrid resin, 2K system
Colour	Colourless / slightly yellowish
Odor	Typical solvent-like / amine-like
Gloss level	Glossy
Viscosity	Low viscosity
VOC content	Component A: approx. 45%, Component B: approx. 10%, Mixed: approx. 38% (≈ 380 g/l)
Flash point	Component A: approx. 27 °C, Component B: approx. 82 °C, Mixed: approx. 30–35 °C
Consumption	80–120 g/m² ≙ wet film thickness approx. 50–80 µm
Drying (dust dry)	approx. 1 hour at 20 °C
Recommended dry film thickness	approx. 5–20 µm, depending on substrate and application

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Density	approx. 1.05 g/cm³ (mixed)
Application temperature	+10 °C to +30 °C
Pot life	approx. 60 minutes at 20 °C
Storage	+5 °C to +25 °C, dry, protected from light
Shelf life	24 months (unopened)
Durability of coating	Indoor up to 5 years, outdoor 2–3 years (depending on load and maintenance)
Maintenance	Cleaning with mild cleaners, e.g. Biosativa®

PFAS-INFORMATION

7641 does not contain any PFAS (per- and polyfluoroalkyl substances), including PFOS and PFOA. The product therefore meets the highest standards of sustainability and legal compliance with EU Regulation 2024/2462.

APPLICATION & PROCESSING

- Thoroughly clean, degrease and dry the surface
- Mix components A & B exactly according to the specified ratio
- Use the mixture within 60 minutes (observe pot life)
- Apply using a foam roller or CCM Low Pressure Spray System
- Do not touch surface during drying
- Intermediate or final sanding possible for matte variants
- Fully cured after 7 days at room temperature
- Protect from insects during curing (e.g. with nets)

CLEANING & CARE

Aggressive cleaners are no longer necessary. Surfaces can be easily cleaned with a mild cleaner (e.g. CCM Bio-Cleaner Biosativa®). Regular cleaning prolongs the effect.

QUALITY STANDARDS & TESTS

7641 Hybrid Coating was tested in accordance with the international standard AS/NZS 4020:2005 for use in contact with drinking water. The tests were conducted by a NATA-accredited ISO/IEC 17025 laboratory (Australia) and passed the following criteria:

- Taste of the water extract: No change detected
- Appearance of the water extract: No turbidity or discoloration
- Growth of aquatic microorganisms: No promoting effect
- Cytotoxic activity: No cell damage observed
- Mutagenicity: No mutagenic potential detected
- Metal leaching: All tested metals below limits per AS/NZS 4020 Table 2

The test was conducted under demanding conditions with exposure surfaces up to 42,000 mm²/L – all criteria were fulfilled.

Conclusion: The coating is certified as suitable for applications in drinking water contact areas.

PACKAGING UNITS & VARIANTES

- 1 kg combo set (Component A + B), 7641-1
- 5 kg combo set (Component A + B), 7641-5

SAFETY & TRANSPORT

Dangerous Goods: Yes (according to ADR/IMDG/IATA)
UN number: 1263
Hazard class: 3 (flammable liquid)
Packing group: II
Hazard symbols:
GHS02 (Flame)
GHS07 (Exclamation mark)
GHS09 (Environment)
Signal word: Danger

HS Code: 3209 9091 (for both components)