

WB Rapid On - Plastic & Metal Coating

7654 Ready-to-use & 7659 Concentrate

PRODUCT DESCRIPTION

7654/7659 WB Rapid On is a ready-to-use, water-based and solvent-free high-performance coating for virtually all non-absorbent surfaces. The product forms an ultra-thin, transparent protective layer that permanently bonds to the surface through an electrostatic interaction of silicon molecules.

Microscopically small pores and capillaries are sealed, significantly reducing re-soiling and greatly facilitating cleaning. In addition, an attractive high-gloss finish with a silky-smooth surface feel is created.

7654 is the 5% ready-to-use dilution of the 7659 concentrate.

Fields of Application

- Vehicles (as a stand-alone coating or as a finish over 7650, 7656 & 7660)
- Boats and yachts
- Household applications (e.g. shower screens, window and door frames)
- Stainless steel surfaces
- Painted and metallic surfaces
- Glass
- Plastics
- Rubber
- Chrome
- Visors (ski and motorcycle helmets)

PROPERTIES

- Water-based
- Solvent-free
- Odourless
- Excellent water repellence (hydrophobic)
- High-gloss effect
- Silky-smooth surface feel
- Resistant to nearly all acids, solvents and household-grade alkaline cleaners
- Easy-to-clean effect (e.g. insect residues, bird droppings, exhaust contamination)
- Very easy application
- Significantly more durable than waxes or silicone-oil-based products
- UV-resistant
- Non-toxic
- Non-flammable
- Readily biodegradable (OECD-compliant)
- High abrasion resistance against wind-borne particles
- Significant reduction of re-soiling
- Temperature resistant from -40 °C to +200 °C
- pH-resistant from 1-10
- Not cytotoxic according to ISO 10993-5 & -12
- Inhibits bacterial growth on the surface
- Layer thickness approx. 40-50 nm
- VOC-free
- Density approx. 1.00 g/cm³

PRODUCT SPECIFICATIONS & CHEMICAL PROPERTIES

Property	7654 Ready-to-use	7659 Concentrate
Base	Water-based silicon coating	Water-based silicon coating
VOC content	0 %	0 %
Flash point	Not applicable (water-based, non-flammable)	Not applicable (water-based, non-flammable)
Layer thickness	Approx. 40–50 nm	Depending on dilution
Density	approx. 1.0 g/cm ³	approx. 1.0 g/cm ³
pH value	Neutral (approx. 7)	Neutral (approx. 7)
Odour	Pleasant	Pleasant
Colour	White (liquid), colourless after curing	White
Consumption	Approx. 10 ml/m ² (≈ 100 m ² /l ready-to-use)	Depending on dilution
Processing temperature	+10 °C to +35 °C	+10 °C to +35 °C
Shelf life (liquid)	24 months (unopened)	12 months (unopened)
Storage	+10 °C to +30 °C, frost-free, protect from sunlight	+10 °C to +30 °C, frost-free, protect from sunlight
Durability of coating	3-6 months	3–6 months (at 5% mixture)

PFAS INFORMATION

7654 WB Rapid On and the 7659 concentrate contain no PFOA, no PFOS and no intentionally added PFAS compounds. The fluorine content is below the applicable legal limits in accordance with EU chemicals legislation. No fluorinated surfactants or performance-enhancing additives are used.

QUALITY STANDARDS - TESTS

- Boeing certified
- ASTM F1110 – Sandwich corrosion test
- ASTM F484 Type C – Acrylic crazing test
- ASTM F502 – Paint softening test
- ASTM F519-93 – Hydrogen embrittlement test
- DuPont™ Marine Finishes – tested with no negative interaction
- Food contact safety tested
- Biocompatibility verified according to ISO 10993
- No cytotoxicity, no complement activation (C5a)

APPLICATION

- Thoroughly clean the surface
- Spray on the product or apply with a microfibre cloth
- Work in sections (approx. 1 m²)
- Rinse off excess with water or polish with a soft cloth
- Surface is fully usable again after approx. 5 minutes
- Do not apply in direct sunlight or on hot surfaces

DOSAGE OF 7659 CONCENTRATE

- 3-5 % to be mixed → for 33.33 – 20 litres of ready-to-use solution
- 7654 is a 5% dilution of the concentrate (50 ml concentrate to 950 ml demineralised water)

CLEANING & MAINTENANCE

Aggressive cleaners are not necessary. Coated surfaces can be easily cleaned with water or mild cleaners (e.g. CCM Bio Cleaner Biosativa®). Do not use abrasive sponges or strong acidic cleaners. Regular gentle cleaning maintains gloss and durability.

PACKAGING UNITS

7654 Ready-to-Use

- **7654-1:** 1 litre bottle
- **7654-200:** 200 litre drum
- **7654-1000:** 1,000 litre IBC

7659 Concentrate

- **7659-1:** 1 litre bottle
- **7659-5:** 5 litre canister

SAFETY & TRANSPORT

- Classification: Not classified as hazardous according to Regulation (EC) 1272/2008 (CLP)
- Storage: Cool, dry, well ventilated, keep away from oxidising agents, strong acids and bases
- Disposal: Dispose of in accordance with local regulations; do not discharge into water; WGK 1
- Transport: Not dangerous goods under ADR, IMDG, IATA

HS Code 3402 9090