

# 7656 Plastic-Metal Premium / 7658 (Conc.) Coating for Plastics, Metal, Painted Surfaces, Stainless Steel & Metal

## KEY FEATURES

Application Temperature	Coverage Rate per Litre	Durability of the Coating	Shelf Life of the Liquid	Storage Temperature	Curing Time
-25 to +50°C, also in sunlight	150 - 200 m <sup>2</sup>	Outside: 1-3 years, under German weather conditions, inside: 5-10 years	2 years	-10 to +40°C	12 hours at 20°C (surface usable after one hour)

## PROPERTIES

- Clear, colourless liquid, virtually undetectable, surfaces look and feel the same after application but they may look slightly brighter
- Invisible to the human eye (coating thickness: 100-150 nm)
- Easy to apply and re apply („do-it-yourself“)
- Strong hydrophobicity and oleophobicity
- Strong non-stick properties
- Permanent, the permanent chemical bond with the substrate enables excellent abrasion resistance
- Resistant to almost all standard household and industrial cleaners (with the exception of concentrated lye)
- Breathable
- Resistant against temperature (frost and extreme heat or UV exposure), to salt, hard water minerals, seawater, salty air and alkali
- The UV-stability enable functionality for a number of years, approximately the lifetime of the coated surface (not damaged by sunlight)
- Anti-soiling, water and dirt-repellent
- Helps to prevent water marks, dirt, algae and bird fouling from adhering to plastics
- No scraping, scrubbing or harsh chemical cleaners needed as soiling agents do not bond to the coated surface
- Easy to clean effect, treated surfaces remain clean for prolonged periods, this reduces cleaning time and the costs for cleaning and care
- Drastically reduces cleaning frequencies, saving energy, time and cost
- No need to be re-applied after cleaning the surface.
- Reduces the growth of micro-organisms and bacteria
- Enhanced hygiene due to biostatic characteristics
- Food-safe (inert)
- Will considerably reduce surface friction
- Exceptionally long durability (up 3-10 years in most conditions)
- Exceptionally long shelf life (over 5 years)
- Layer thickness: 60 - 150 nm

## 7656 Plastic-Metal Premium is ideal in environments such as

- Plastic surfaces in sanitary areas (e.g. plexi®-glass shower cabinet)
- Automotive paint (protection for up to 2 years)
- Painted aluminium rims
- Stainless steel surfaces

Purchased from local supplier:

- Ethanol (EtOH): 99% or higher 19.3 litres
- Hydrochloric acid 37% (HCl): CAS No.: 7647-01-0: 40 g

## 7658 CONCENTRATE

For 20 litres:

- Component A: 400 g
- Component B: 400 g

## QUALITY STANDARDS

Test	Details
ISO 11507	Artificial weathering with fluorescent UV lamps + water (method A)
DIN 55620-1+2	Determination the contact angle
DIN EN ISO 11998:2008	Determination of the wet-scrub resistance and cleanability of coatings
BS-EN 1186:2002	Migration Test on coated plastic surface
CCM lab	Contact angle

## PACKAGING & SHIPPING

Art. No.	Bottle / Canister
7656-1 / 7658-1	1 000 ml bottle
7656-200 / 7658-200	200 litre barrel
7656-1000 / 7658-1000	1 000 litre IBC

HS Code 7656: 3824 9992, DG

HS Code 7658: 3824 9992, no DG