



Primer General TiO₂ undecoating Agent

Substrate Applicability:

Stone	★★★★★
Tile	★★★★★
Glass	★★★☆☆
Plastic / Polymer	★★★★☆
Metal	★★★★☆
Faccade paint	★★★★★
Polymer Fabric	★★★★☆
Wood	★★★★★

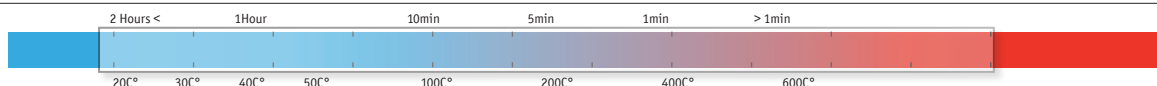
Feature& Performance:

Water purification	★★★★☆
Odor Elimination	★★★★☆
Super-hydrophilic	★★★★☆
Anti-moss	★★★★☆
UV Block	★★★★★
PCO Protect	★★★★★
Binding enhance	★★★★★

binding strength



Approx. drying temperature/ time.



Special properties:

- water-based primer for nano photocatalyst top coating
- block UV
- protect organic substrate from photocatalytic oxidization damage
- enhance binding strength of top photocatalyst coating
- Reduce Top Coat

Example of application:

- primer on acrylic paint surface to protect substrate
- primer on stone to enhance photocatalyst coating binding
- block UV coating

Usage instructions:

- recommend air mix pressure spraying (HVLV)
- brush for rough surface
- dipping for irregular items

Dosage instruction:

- refer to relevant coverage data sheet or product manual
30-60ml/m²

Transport Information

No Transport danger for Air, See, Highway and Rail, transportation of dangerous goods

Storage stability:

24 months in closed container under 5-45C°, dark condition.
Protect Soll in opened container from Oxygen.

Avoid freezing! storind above 5C°

Technical Information:

Chemical description: deactivated nano titanium dioxide sol

• **appearance:** yellowish transparent liquid

Active matter content:

• **TiO₂** 0,75 – 1,0%

• **Water content:** 98% ± 1%

• **Alcohol content:** 0%

Specification:

• **PH Value:** PH 7,5 - 10,0

• **primary particle size:** < 3 nm

• **crystal structure:** TiO₂ Anatas / amorph

• **agglomeration index:** < 10 cps

• **density:** 1.0075-1.01 g/ml

• **Viscosity:** 1.0050 mPa.s

• **binding strength:** Exellent (Index 5)

• Drying time at 25C°

Primary drying time: 30 minutes

Final setting time: 30 days

Registration status:

respectively its ingredients are listed in following chemical inventories:
CAS, EINECS, TSCA, AICS, CEPA, MITI

Package:

10 L, 25 L, Plastic / Polymer barrel with carton
30 L, 100 L, 200 L Plastic / Polymer barrel

* refer to relevant (MSDS) Material Safety Data Sheet