



## ROCC Top P-5

### Alkoxysilane Ceramic Hybrid Clear Coating

RT P-5 is a unique Alkoxyfunctional organosilane coating solution. A solvent free, fully reactive formula with chosen elements to withstand a wide range of chemical attack. The cured coating forms a thin, hard film with low surface energy. RT P-5 has very effective Non-Stick properties. Due to its inorganic/organic hybrid composition, RT P-5 can withstand temperatures up to 650°C. In room temperature (RT), the inorganic portion of ROCC Top needs approx. 5 days to cure to reach its final characteristics. Forced curing with increased temperature (80-150°C) after 2h RT is possible. Cracking Threshold: 80+µm layer.

#### Typical properties

- High gloss – Non oxidizing
- High corrosion and chemical resistance
- Non-Stick, hydrofobic, low friction
- High Hardness (up to 4H)
- Covalent bonding to clean metal (no primer)
- UV stable
- Low temperature curing
- **High temperature** resistance
- Easy application

#### Application examples

- Pipe linings
- Tanks
- Transportation
- Offshore/marine applications
- Corrosion protection steel
- Non-Stick Applications
- Sealing of porous substrates (Cast iron).
- Pumps
- Anti-stain

#### Application parameters

▪ Cure (25°C)	To touch	1h
	Hard	4h
	Fully cured	120h
▪ Heat Cure (After 2h)	(80-150°C)	1-2h
▪ Adhesion	(Cross Hatch)	5B
▪ Hardness	Pencil hardness König DIN 53157	up to 4H
▪ Gloss	60° angle	82%
▪ Overcoat (25°C)	Max	15-20min
▪ Solids		98%
▪ Cleaning	Alcohols, organic solvents	



## ROCC Top P-5

### Alkoxysilane Ceramic Hybrid Clear Coating

Due to its non-stick properties the product will improve the ability to avoid bacterial growth on the substrate, where such is not desired, e.g. within food industry.

After curing the material is to be considered as a pure pre-ceramic without any substances that will affect the health of human beings.

