

Self Cleaning Coating

A special hydrophobic self cleaning paint formulation has been developed. This is based on polydimethyl siloxane (PDMS) / epoxy system which provides anticorrosive and self cleaning properties in single coat application. Such coating gives dirt-free, clean paint surface with reduced maintenance cost.

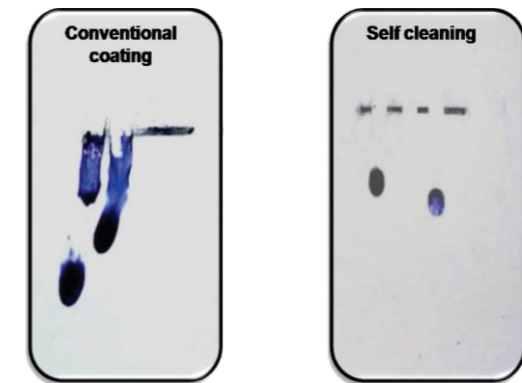
SALIENT FEATURES

- Drying time : 4 - 6 hours
- Dry film thickness : $115 \pm 10 \mu\text{m}$
- Gloss retention : $\sim 85 \%$
- No inter coat adhesion failure
- Time saving during application
- Reduced pollution
- Prevents accumulation of dirt
- Easy maintenance

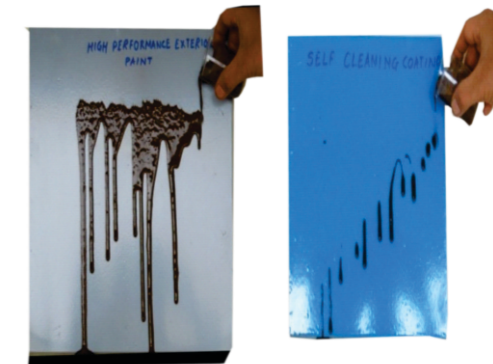
AREAS OF APPLICATION

- Superstructure of ship
- Interior compartment of ship
- Structures in marine environment
- Civilian applications involving coating on metals, ceramics & polymer substrates

SELF CLEANING COATING (Dirt free surface with good aesthetic appearance)



Spreading of dirt Dirt not adhering to coating



Conventional coating mud adhered to coating Self Cleaning Coating mud not adhered to coating

STATUS | Technology available for transfer