



Siloxycat

Siloxycat is a clear, ready-to-use polysilazane surface coating, developed to protect and preserve surfaces in a variety of different environments.

Siloxycat is a polysilazane. This means that it is a form of liquid glass that becomes a ceramic coating when it's been fully cured. When used on a polished or painted surface it bonds to it and provides superior protection in the form of corrosion resistance or resistance to ultraviolet degradation.

Siloxycat provides a tough, smooth surface. This stops airborne soils attaching themselves to the surface and thus makes the surface easy to clean. Due to the highly hydrophobic surface, dirt and dust can hardly adhere and therefore can easily be removed numerous times without reapplication. The glass-like coating provides scratch resistant properties which sustainably increase the value retention of the finished product.

Siloxycat creates a permanent barrier by chemically binding to the substrate. The solvent-based systems can be applied to the carrier material via spray or dip coating, roll-to-roll application or spin coating as well as wipe-on for smaller areas. Siloxycat is dry-to-touch after 30 minutes. Full performance is achieved after 7 days cure at room temperature. Alternately, faster curing for full performance can be achieved in 1-2 hours at 130°C.

Benefits of Siloxycat:

- Excellent corrosion resistance
- Easy-to-clean properties - Prevents bonding of graffiti agents with substrate, allows "minimal-effort" removal
- Exceptional adhesion on substrate
- Clear / transparent
- Chemical resistance / UV resistance
- Outstanding durability
- Ambient temperature curing
- Simple application methods
- Easy cure by cross-linking at room temperature- removing the need to bake on coatings
- Extraordinary adhesion to almost all substrates, and withstanding temperatures up to 400°C
- The applied films are completely transparent with a clear, high-gloss appearance. The films can be put into use in minutes, and become chemically insoluble in 1 hour, fully cured in 4 – 24 hours.



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