

Technical Data Sheet: Wilsonart Complete Sealant

Product Description

Wilsonart Complete Sealant is a single-component Hybrid Polymer sealant. It is designed for sealing applications requiring a crystal clear sealant with low viscosity and high UV stability.

Key Features

- Silicone and Solvent Free.
- Excellent Adhesion.
- High Performance mechanical properties.
- No bubble formation within sealant.
- Primerless adhesion.
- Very easy to tool and finish.
- Good extrudability.
- Minimal health and safety considerations.
- Resistance to many chemicals.
- No staining of porous materials such as natural stone, granite, marble, etc.
- High UV performance.



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Technical Characteristics

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Properties	Wilsonart Complete Sealant
Base Material	Hybrid Polymer
Consistency	Stable Paste
Curing System	Moisture
Through Cure Rate (mm/24hrs)	2
Density (Kg/l)	1.07
Elasticity Modulus at 100% (N/mm ²)	>0.6
Elongation at Break (%)	>250
Tensile Strength (N/mm ²)	>1
Max Open Time (mins)	20
Shear Strength (N/mm ²)	1.7
Shore A Hardness +5	45
Skin Over Time (mins)	10 mins
Viscosity C&P @ 0.6 s ⁻¹ (Pa.s)	800
Volume Alteration (%)	<1
Colour Stability UV Exposure ASTM G154 (CIELab - ΔE)	1000 ΔE (ASTM G154) - <4

(*) These values may vary depending on environmental factors, such as: temperature, moisture and type of substrates.

Remarks, Disclaimer & Health and Safety

Remarks - Wilsonart Complete Sealant can be coated with many types of paints and varnishes. Due to the large variety of paints and coatings a compatibility test is strongly recommended. The drying times of alkyd resin based paints may increase. Wilsonart Complete Sealant can be painted immediately after application "wet on wet" with waterbased industrial paints in paint ovens at temperatures of up to 200°C for up to 45 minutes. Wilsonart Complete Sealant can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate, etc, may differ from manufacturer, we recommend preliminary compatibility tests. This product cannot be used as glazing sealant.

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Colours

Clear / Transparent



Shelf Life

18 months in unopened packaging, in a cool and dry storage place at temperatures between +5°C and +25°C

Application Instructions

Method	Manual or pneumatic caulking gun
Application Temperature	+10°C until +30°C
Substrates + Priming	Ensure substrates are clean, dry, free of dust and grease. When bonding, Surface Activator may be used on non-porous surfaces. we recommend preliminary compatibility tests previous to application.
Cleaning	White Spirit immediately after application and before curing.
Tooling	Soapy Solution before skin formation
Repair with	Wilsonart Complete Clear Sealant

Volumes Available

Cartridge: 290ml



Resistance to Chemicals

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons.

Remarks, Disclaimer & Health and Safety

Disclaimer - The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deducted from this information, written recommendation or any other type of suggestion offered. Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by Wilsonart, of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end user.

Health and safety - Refer to Safety Data Sheet (SDS) for further information. Apply the usual industrial hygiene.

Reviewed May 2024