

Product: Wilsonart Complete Adhesive

Wilsonart Complete Adhesive is a high quality, solvent free, single component joint sealant with high adhesive strength, developed for sealing and bonding applications in the installation of worktops, splashbacks, vanities and wall panels. It is easy to extrude and tool up, has high specific adhesion, does not shrink on cure and has high UV resistance.

Characteristics

- High bond strength.
- Excellent adhesion.
- High performance mechanical properties
- Straightforward application even in adverse conditions.
- No bubble formation within sealant.
- Primerless adhesion.
- Very easy to tool and finish.
- Good extrudability.
- Ecological advantages - free of isocyanates, solvents, halogens and acids.
- Minimal health and safety considerations.
- Resistance to many chemicals.
- No staining of porous materials such as natural stone, granite, marble, etc.
- High UV Performance.

Technical Characteristics

Base Material	Hybrid Polymer
Consistency	Stable Paste
Curing System	Moisture
Through Cure Rate (mm/24hrs)	3.5
DENSITY (KG/L)	1.58
Elasticity Modulus at 100% (N/mm²) ISO37	1.2
Elongation at Break (%) ISO37	>480
Tensile Strength (N/mm²) ISO37	>2
Max Open Time (mins)	30
Shear Strength (N/mm²) ASTM D1002 - rate - 6mm/min	>1.5
Shore A Hardness ±5	60
Skin Over Time (mins)	16
Viscosity C&P @ 0.6 s⁻¹ (Pa.s)	1500
Volume Alteration (%)	<1
Colour Stability UV Exposure ASTM GI54 (CIELab - ΔE)	<1

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

Packaging

Colour	White
Contents	290ml cartridge
Shelf Life	18 months in unopened packaging, in a cool and dry storage place at temperatures between +5°C and +25°C.

Substrates

Nature	Clean, dry, free of dust and grease.
Priming	When bonding, Surface Activator may be used on non-porous surfaces. We recommend preliminary compatibility tests previous to application.

Application

Method	Manual or pneumatic caulking gun
Application Temperature	+10°C until +30°C
Cleaning	White Spirit immediately after application and before curing.
Tooling	Soapy Solution before skin formation
Repair with	Wilsonart Complete Adhesive

Resistance to Chemical Agents

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

Remarks - Wilsonart Adhesive 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 Adhesive 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 Adhesive 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.

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