

OETech™ 1 1 HOUR URETHANE SPECIFICATION DATA SHEET

Description

OETech 1 is a low VOC one-component polyurethane sealant that is High Modulus and Low conductive, and contains isocyanates and cures by the action of air moisture.

Areas of Application

OETech1 is used for the windshield bonding of cars made in aluminum or of cars with radio antennas or GPS integrated in the windshield.

Technical Data

Appearance	Color	Density at 68 °F	Conventional Solids Content (EN 827)	Sagging (ISO 7390)	Application Temperature	Skin formation time at 73.4 °F and 50 % HR
Thixotropic paste	Black	Ca 1.21	> 98 %	None	41 to 95 °F	15 ± 5 min

Cure time at 73.4 °F and 50 % HR	Final Shore A hardness (ISO 868 - 3 secondes)	Modulus at 100 % (ISO 8339)	Elongation at break (ISO 8339)	Modulus at break	Shearing resistance at 7 d at 73.4 °F and 50 % HR (Ford SAE J 1529)
> 4 mm/24 h	> 70	Ca 500 psi	> 300 %	> 850 psi	> 350 psi

Modulus G10 (DIN 54451)	Temperature resistance	Specific data
> 4 mm/24 h	-40 to +194 °F	Conductivity (DIN 53482) : > 100 millions ohm.cm

Cure Rates

Drive Away Time With Airbags						
%HR	10°F	15°F	20°F	25°F	30°F	40°F
>85%	1 hour	1 hour	1 hour	1 hour	1 hour	1 hour
>65%	1 hour	1 hour	1 hour	1 hour	1 hour	1 hour
>45%	1 hour	1 hour	1 hour	1 hour	1 hour	1 hour
>25%	1 hour	1 hour	1 hour	1 hour	1 hour	1 hour
>0%	1 hour	1 hour	1 hour	1 hour	1 hour	1 hour

Drive Away Time Without Airbags						
%HR	10°F	15°F	20°F	25°F	30°F	40°F
>85%	45 min	45 min	45 min	45 min	45 min	45 min
>65%	45 min	45 min	45 min	45 min	45 min	45 min
>45%	45 min	45 min	45 min	45 min	45 min	45 min
>25%	45 min	45 min	45 min	45 min	45 min	45 min
>0%	45 min	45 min	45 min	45 min	45 min	45 min

Instructions for Use

Substrates preparation :

Clean with OETechAC per instructions on the bottle. Do not allow to dry, wipe off while still in the liquid state. The silkscreened glass has to be treated with the primer OETech CP (cf. its technical data sheet). Body parts where paint has been stripped off during windshield removing have to be treated in the same fashion. Note : when using solvents or primer, keep away from all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier.

Bonding :

When the primer is completely dry, OETech _ is applied with a power or manual high-ratio caulking gun and pressed (decked) to the second substrate before the end of the tack free time. Take care that this time (which decreases when temperature increases) is not exceeded. Trim the V-nozzle to the correct height by placing the tip on the pinchweld and trimming the top of the V to match the height of the roofline. Do not apply at temperature under 41°. The substrates must be warmed to the correct application temperature. In cold weather, store the cartridges at >68°F before use.

Cleaning :

Tools can be cleaned with methylethylketone (MEK) or acetone before the sealant has completely cured. After cure, mechanical cleaning is required.

Storage and Shelf Life

9 months in hermetically sealed original packaging between 41 and 77 °F

Packaging

310 ml aluminum cartridges
600 ml aluminium sausages

OETech™ 1 1 HOUR URETHANE SPECIFICATION DATA SHEET

Safety

Harmful. Read material safety data sheet before use.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

See also material safety data sheet.