

CAULKINGFLEX®

POLYOLEFIN ELASTIC ADHESIVE

TECHNICAL DATA SHEET (TDS)

01 JAN 2024



PRODUCT DESCRIPTION

IT IS HIGH ELASTICITY POLYOLEFIN ADHESIVE FOR SEALING/CAULKING/BONDING BETWEEN SIMILAR AND DISSIMILAR ON ALL CONDITIONS/SURFACES/MATERIALS

FOR EXAMPLE, WOOD TO WOOD, WOOD TO METAL, METAL TO PLASTICS(*)

(*) Special primer paint is available, which is Suitable for Polyethylene / Polypropylene Plastics & Other hard bond surfaces.

TECHNICAL DATA

UNCURED:		
Material / Basis/Resin	Unique	Polyolefin
Form / Consistency	Ready to use	Paste
Functions	3 in 1	Caulking/Sealing/Bonding
Curing System		Moisture curing
Primer	Primerless*	Primerless (*) adhesion on the Teakwood & majority of substrates
Adhesion on Humidity surfaces	Strong	Strong
Elasticity	Flexible	Always stay flexible & Elastic
Specific gravity-Density		1500 ± 10 kg/m3
Skin formation time	23°C/50% rel. humid	20 ± 5 min
Sanding	Easy to sand; will not clog sandpaper;	Improves project turnover time; more economical
Shrink/Waste	Minimum shrink; less waste	
Open time		Up to 45 ± 10 min
Fully Curing	For test purpose & Sanding	Around 7-10 days
Adhesion to Teak		3,00 N / mm²
Hardening time	25°C/60% rel. humid	2 ~ 3 mm/24h
Flowing	ISO 7390	0mm
Viscosity	Will not drip or sag; easy to work	Thixotropic paste
Tack Free	Skins over after 20-40 minutes;	Can be walked on next day
Sticks to itself after dry	Easy to repair, less time required;	Yes
Application temperature		+5°C(41°F) to +40°C(86°F)
HARDENED :		
Hardness Shore A	ISO 868	40 ~ 45
Change in volume SIST	ISO 10563	< 1%
Tensile strength	ISO 8339	1.2 ~ 1.5 MPa
Module E 100%	ISO 8339	>0.80 MPa
Elongation at break	ISO 8339	200 ~ 300 %
Tensile strength	ISO 37 rod 1	2.5 -3.0 MPa
Elongation at break	ISO 37 rod 1	250 ~ 350%
Temperature resistance		-40°C(-40°F) to +80°C(176°F)

WHERE YOU CAN USE:

MARINE - LAND - AUTOMOTIVE/TRANSPORTATION - HARD BOND SURFACES*

- **Primerless (*)** adhesion on the Teakwood & majority of substrates
- *Hard Bond Surfaces like Polyethylene & Polypropylene Plastics
Bonding/Sealing/Caulking **with special primer**
*It is **not** an option to Conventional Plastic Welding (Joining) performance by heat

PACKING

- 600 ml sausage

Standard Color:

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- Black & White , Custom Colors available like Grey and other Colors



STORAGE

- in a dry storage place at temperatures between +5°C and +25°C.
- **Shelf life:**
2 (Two) year from production date*
*In good condition storage without any sausage package damages

APPLICATION

- The surface should be clean, oil-free and dust-free. It should be free of all kind of dirt and stain (Please check "Caution")
- CaulkingFlex® should be applied uniform, equal attend by squeezing

BEFORE APPLICATION

- **Primerless (*)** adhesion on the Teakwood & majority of substrates
- Primer (*) is recommended for Hard Bond Surfaces like PE/PP Plastic surfaces
- For better results, edge masking tape can be used.
- The head of the caulking gun should be cut to fit the width.
- We recommend preliminary compatibility tests previous to application.



AFTER APPLICATION

- After applying, it can correct the surface by a soapy finger.
- Remove the masking tape before CaulkingFlex® be dried.
- Overflowing CaulkingFlex® material can be cleaned with alcohol by hand tools, if it is in short time after apply.

SAFETY PRECAUTIONS

- There are no known safety issues concerning the CaulkingFlex®

Table A		Joint Width (mm)						
		4	5	6	7	8	9	10
Joint Depth (mm)	4	40	32	26	22	20	17	16
	5	32	25	21	18	16	14	12
	6	26	21	17	15	13	11	10
	7	22	18	15	13	11	10	9
	8	20	16	13	11	10	8	8
	9	17	14	11	10	8	7	7
	10	16	12	10	9	8	7	6

Table A)

The table shows how many linear meters of joints we can seal with one 600 ml sausage relative to the width and depth of the joint, approximately.

Note (Table A):
This number does not have over using quantity like over flowing of installation.

Freight/Shipment

NON-HAZARDOUS; ships by airfreight or ground, so reduced cost for freight

Note: The information in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. We recommend preliminary compatibility tests before to application.