



# TEKASIL

## *Tekasil T 2K*



Tekasil T 2K is a permanently elastic, two-component neutral silicone sealant designed as a secondary edge sealant in manufacturing of insulating glass units (IGU).

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### PROPERTIES

- Excellent adhesion on different glasses (coated and uncoated), plastic and metal spacers
- Compatible with materials used in IGU production (PIB, plastic, aluminium and stainless spacers)
- Outstanding UV resistance
- Outstanding weathering resistance, resistance against water and moisture
- Solvent free
- Neutral, almost odourless
- Does not cause corrosion
- Does not slump in vertical joints
- Ready gunnability at low (+5°C) and high (+60°C) temperatures
- After cure: elastic at low (-50°C) and high (+180°C) temperatures
- Very low shrinkage
- Colour: black

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### USE

- Secondary edge sealing for manufacturing insulating glass units
- Especially recommended for IGU exposed to UV
- When we want to transport IGU before than in one day: this is not possible if we use one component secondary sealant

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## TECHNICAL DATA

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### Unmixed components

Curing mechanism		condensation crosslinking
	<b>Component A</b>	<b>Component B</b>
Form	paste	paste
Colour	creamy white	black
Specific gravity	1370 kg/m <sup>3</sup>	1060 kg/m <sup>3</sup>
Viscosity	200 ± 20 Pas	50 ± 10 Pas

### Mixed components A and B

Before processing combine the two components A and B homogeneous.

The components should be mixed in the following ration:

A component : B component = 10 : 1 by volume respectively

A component : B component = 10 : 0,77 by weight

	standard	value
Colour		black
Resistance to flow	ISO 7390	0
	A+B-20x10mm	
Pot life	23°C/50% rel. vlaga	30 min
Change in volume	ISO 10563	< 10 %
Hardness Shore A		
- after 2h	23°C/50% rel. vlaga	7
- after 4h		25
- after 6h		29
- after 24h		35
- after 3days		40
Tensile Strength after 24h	ISO 8339	0,8 MPa
23°C/50% RH	ISO 37	2,3
Elongation at break after 24h	ISO 8339	250 %
23°C/50% RH	ISO 37	0,8
Modul E 100 after 24h	ISO 8339	0,4
23°C/50% RH	ISO 37	350 %
Temperature resistance		from - 40°C till +180°C

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## APPLICATION

Tekasil T 2K is two-component neutral silicone sealant which has to be mixed in proper ratio to get homogeneous black mixture. Before processing ensure the two components A and B are homogeneous.

### Mixing ratio

A comp. (base comp.) : B comp.(curing paste)

by weight 10 : 0,77

by volume 10 : 1

Whereas component A (base component) is stable on the air, component B (curing paste) is hydrolysis sensitive and must be protected from moisture. The mixing ratios may vary by maximum of ± 10% in order to adapt the curing time. Maximum processing temperature does not exceed 60°C. Air entrapment must be avoided to achieve optimal adhesion and mechanical properties. The sealant must be smoothly tooled within pot life in order to ensure contact with joints flanks/substrates.

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## PACKING

Component A: Metal drum 190 l

Component B: Pail 19 l

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## STORAGE

At least 6 months in a dry, cool place under 25°C if stored in tightly closed original containers.

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## SAFETY PRECAUTIONS

Component A is neither toxic nor aggressive and does not react with moisture. It is stable under normal conditions (23°C, 50%RH). Component B must be handled with care. Avoid contact with eyes and skin. Keep out of the reach of children. Wear suitable gloves. Wear suitable protective clothing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid prolonged contact of uncured sealant with the skin – use a dry cloth or paper to remove it. Use only in well-ventilated areas.

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## ATTENTION

The information supplied is accurate to the best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended, as a guide and do not therefore constitute a specification. You should thoroughly test any application to be sure that product corresponds to the required performances.