

IGK 130 Polyurethane-Secondary Seal



Characteristics:

IGK 130 is a solvent-free, 2-component sealant and adhesive, that has been especially developed for sealing and joining of double glazing units. IGK 130 does not contain any mercury containing catalyst.

The processing can be done on glass and spacer bars without primer in accordance with the standard processing guidelines.

Due to its special rheological properties IGK 130 is highly suitable for robots as well as for hand guns. Our technicians will be glad to assist you concerning special settings with shorter or longer curing times.

Application:

IGK 130 can be applied with all standard (semi)robotic 2-component mixing- and dispensing-machines which can work with liquid or pasty B components.

The mixing ratio is 10 : 1 by volume = 100 : 6,8 ((liquid);100: 7;1 (pasty) by weight.

IGK 130 is machine- and user-friendly, non-sagging and short tear-off even at higher application temperatures.

IGK 130 is incompatible with polysulfide-based sealants. If a polysulfide sealant was applied before to your sealing equipment, this must be cleaned thoroughly before using IGK 130.

Adhesion-surfaces must be clean, dry, free of grease and oil. IGK 130 adheres to all standard surfaces in the double glazing industry. As prescribed by the GMI, the materials used in production must be checked every day as a matter of principle, as the spacer bar quality may fluctuate. In case of questions, do not hesitate to get in touch with our technical application department.

At the mounting of the double glazed units it is necessary to use only compatible sealants.

Please check the declarations of the manufacturers of these sealants on packaging and data sheets.

This applies also to all other materials with possible direct contact to the secondary sealant.

Standard packaging:

Base component: 200 liter drum
Hardener component: 20 liter or 200 liter drum
Other packaging sizes on request.

Storage:

In closed original drums can be stored up to 6 months at +15°C to +25°C.
Do not allow to heat up to over +40°C or cool below +10°C. Do not store outdoors.
Protect from dampness, frost and direct sunlight.

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Technical Data: (measured at 23 °C)

Hardening:

Polyaddition

Colour:

Base component: beige
Hardener component: black
Mixture: anthracite

Solid matter content:

100% solvent-free

Consistency:

Base component: pasty, no dripping
Hardener component: liquid or pasty

Density:

Base component: 1,70 ± 0,06 g/ml
Hardener component: 1,16 ± 0,04 g/ml (liquid)
resp. 1,24 ± 0,04 g/ml (pasty)

Mixing ratio:

By volume: 100:10
By weight: 100:6,8 ((liquid)
100:7,1 (pasty)

Mixing tolerance: ±10%

Application temperature:

+15 to + 30°C

Pot life:

20-80 min (Mixing temperature 30°C)

Surface dry after:

30 min - 2 ½ h (depending on curing type used)

Shore-A hardness: (DIN EN-1279/6 (2018))

Shore A after (depending on curing type used)

3 h: 14-30
24 h: 40 -60
final hardness: 56 ± 8

Tensile shear resistance:

1,4 N/mm²

Volatile component:

< 1 %

Elastic restoring capacity:

> 90 %

Certifications:

DIN EN 1279-2/3/4
RAL-GMI
CEKAL/ LRCCP
BRL 2201 Weather-OMeter Test
IGCC-IGMA

Safety instructions:

Please note the information in the material safety data sheet!

The information given above is based on accurate laboratory results and experience over many years at IGK. During the application of IGK products please adhere to the relevant processing instructions. We recommend you implement your own tests in accordance with EN1279 and/or other Quality management systems in order to ensure the best overall results. Failure to follow these recommendations may cause damage for which IGK is not responsible.

IGK 130 is manufactured in accordance with quality guidelines DIN EN ISO 9001 and 14001