

GLAZING MATERIALS APPROVED FOR INSTALLATION OF INSULATING GLASS UNIT

Valid in

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One of the conditions for the guarantee given by the manufacturers of insulating glass units is that glazing materials used are tested and approved according to MTK-Approval System.

N.B.!

The MTK approval intends only the mechanical properties. Control that MTK-approved joint materials are compatible against the constructions other components must always be done, this concerns also between MTK-approved joint materials

SEALANT MATERIALS

Any approved product may be labeled with the MTK issued License Number (see logo below), for instance 01. The license of their respective companies have shown what Certificate number (= approved products) that are included.



Latest edition see www.glascentrum-mtk.se

1. Elastic glazing strip,cellular rubber. Product type 01.

Elastic glazing strips shall be made of EPDM or CR. The strips shall have a durable reinforcement that limits the elongation when applied. Strips of cellular rubber shall have closed cells.

Produkt	Dim.	Cert.nr.	S	Supplier		
				DK	FIN	
Casco						
Glasbånd	5x10	940601001	-	15	-	
Glasbånd	4x10	940601002	-	15	-	
Kiso						
141 Profile	5x10	940601001	3	14	19	
141 Profile	4x10	940601002	3	14	19	
141 Profile ¹⁾	4x9	940601003	3	14	19	
142 Profile	4x10	920601001	3	14	19	
05 Filler	4x10	900601004	3	14	19	
141 Profile H	5x10	010601004	3	14	19	
141 Profile H	6x10	010601005	3	14	19	
Leif Arvidsson						
LA Kronlist	5x10	940601001	3	-	-	
LA Kronlist	4x10	940601002	3	-	-	
LA Kronlist ¹⁾	4x9	940601003	3	-	-	
Trelleborg						
Cellostrip	6x10	900801001	4	-	22	
Crownstrip	5x10	900101001	4	-	22	
Crownstrip	4x10	900101003	4	-	22	
Crownstrip ¹⁾	4x9	900101004	4	-	22	

1) Only internal when method 4 is used..

2. Elastic glazing strip, solid rubber. Product type 02.

Elastic glazing strips shall be made of EPDM or CR. The strips shall have a durable reinforcement that limits the elongation when applied.

Produkt	Dim.	Cert.nr.	S	Supplier		
				DK	FIN	
Kiso						
601 Massiv	6x13	010602001	3	14	19	
602 Massiv	6x12	010602005	3	14	19	
603 Massiv	6x13	010602006	3	14	19	
604 Massiv	6x14	010602002	3	14	19	
605 Massiv	4x11	010602003	3	14	19	
606 Massiv	8x13	010602004	3	14	19	
Trelleborg						
Massiv 413142900	5x10	090802001	4	-	22	
Massiv 41068450	4x10	900802002	4	-	22	
Duo 4607416/7516	4x10	900802003	4	-	22	
Duo 413131600	4x9	900802004	4	-	22	

3. Elastic sealing strip of foam rubber which require top sealent. Product type 03.

Elastic sealing tape shall be of etenpropen or chloroprene. (EPDM or CR). The sealing strips shall be rot proof and have durable reinforcement that limits the elongation when applied. The sealing strips shall have closed cell.

Produkt	Dim.	Cert.nr.	S	Leverantör		
				DK	FIN	
Kiso 141 Profile	4x8	900603001	3	14	19	
Trelleborg Crownstrip	4x8	900103001	4	-	22	

4. Plastic Glazing strips. Product type 04

Plastic glazing strips shall be manufactured of Butyl rubber (IIR). The strips shall have a durable reinforcement or a paper that limits the elongation when applied.

Produkt	Dim.	Cert.nr.	S	Supplier		
				DK	FIN	
Kiso						
380 Butyl	3x10	900604001	-	14	19	
380 Butyl	3x9	900604002	-	14	19	
382 UTButyl	3x9	900604003	-	14	19	
385 UT Butyl	5x12	930604001	-	14	19	
386 UT Butyl	3x9	930604002	-	14	19	

5. Sealants. Material type 05.

The sealant shall be based upon silicone, acrylic, polyurethane or polysulphide (Q, ACM, U or T). Sealants based upon mineral oils must not be used. Top and under sealing are described on opposite side and in the MTK Regulations.

Produkt	Cert.nr.	Mat.	Supplier			
			S	DK	FIN	
Casco						
Glass Silicone	1109-0501	Q	6	15	20	
Construction Silicone	1109-0502	Q	6	15	20	
Sanitary Silicone	1109-0503	Q	6	15	20	
Dana Lim						
Danaseal Universal 514	0532-0502	Q	8	12	23	
Leif Arvidsson						
LA silikon	1029-0501	Q	3	-	-	
LA seal	1229-0502	MS	3	-	-	
Sika						
Sikasil SG-20	1113-0502	Q	6	15	20	
Sikasil WS300/305	1113-0503	Q	8	15	20	
Sikasil WS-605 S	1113-0504	Q	6	15	20	
Sikahyflex 600	1113-0504	Q	6	15	20	
Sikasil WT-40	1113-0505	Q	6	15	20	
Sikasil C	1113-0506	Q	6	15	20	
P&P Technology						
Sentinel Limkitt Plus	1040-0501	MS	9	-	-	
Soudal						
Soudal Silrub 2/S	1127-0504	Q	5	-	-	

N.B!

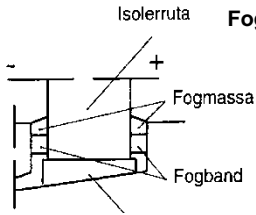
SEALENTS THAT IS USED AT METHOD 4 ACCORDING TO MTK-ANVISNINGARNA MAY NOT INFLUENCE THE EDGESEALMENT OF THE INSULATED GLASS OR THE GLAZING STRIP OF THE WINDOW. MAUFACTUR OF INSULATED GLASS/WINDOWS MUST ALWAYS GIVE YOU PERMISSON

example of the importance 1001-0303: 10 – Year of approval for product, 01 – Manufacturer/ Licencee, 03 – Material type, 03 – Serial number

MTK's GLAZING METHODS , examples of methods for achieving the required density according to SS-EN 13541

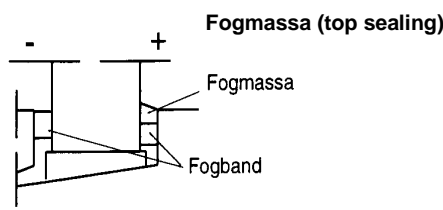
Installation of IGU's shall be done according to one of the following methods, 1-4. Exterior to the left in figures.

Explanations: Isolerruta = Insulating Glass Unit.
Fogmassa = Sealant.
Fogband = Glazing strip.
Kloss = Glazing block.



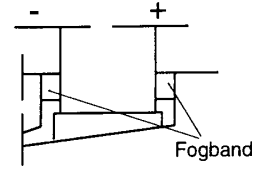
Method 1

Sealant and glazing strips all around on both sides. To be used in constructions where penetrating water into the rebate can cause damages towards the interior, e.g. when installed using interior beads and in steel constructions.



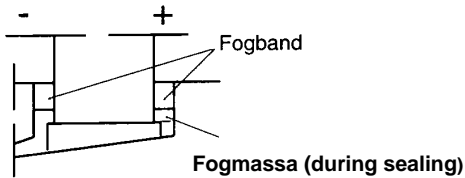
Method 2

Sealant and glazing strips all around on the interior. Glazing strips all around on the exterior. To be used when glazing on site (vertical glazing).



Metod 3

Glazing strips all around on both sides. To be used when requirements for air and water tightness according to regulations are met when tested without sealants.

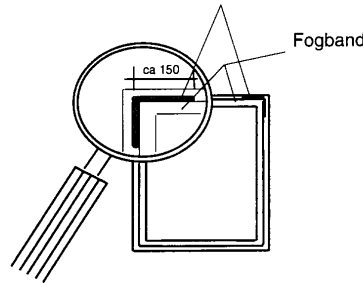


Metod 4

Glazing strips all around on both sides. Sealant ~ 150 mm vertically and horizontally on the interior in each corner and beneath the glazing strip. Method for glazing in a joinery (horizontal glazing) and when requirements for air and water tightness according to regulations are met.

It is very important that the instructions given by the manufacturer of glazing materials are followed concerning pre-treatment of rebates and beads in order to get good adhesion towards the actual surface. Rebates, beads and glass surfaces shall be clean, dry and degreased when applying glazing materials

Fogmassa (during sealing)



MINIMUM DIMENSIONS FOR COMPLETED SEAL AFTER REQUIRED COMPRESSION, APPLYING ETC. ARE GIVEN IN THE TABLE.

Elastic glazing strips shall at application be compressed some 25 % of their original thickness.

When applying in inner sash at multi sash systems the minimum dimension after required compression (25 %) both interior and exterior 2 x 9 mm.

METHOD		INTERIOR		EXTERIOR	
		Bredd	Höjd	Bredd	Höjd
1	Sealant	3	3	3	3
	Glazing strip	3	8	3	8
2	Sealant	3	3	-	-
	Glazing strip	3	8	3	10
3	Sealant	-	-	-	-
	Glazing strip	3	10	3	10
4	Sealant ¹⁾	3	4	-	-
	Glazing strip	3	9	3	10

1) Length 150 mm

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