VETRERIA 2M SRL

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Castegnato (BS), 19 maggio 2023

A tutti i Clienti,
Loro sedi

OGGETTO: Compatibilità tra materiali vetrata isolante

L'installazione di vetrate isolanti all'interno di un serramento implica un contatto tra il bordo della vetrata e diversi altri materiali, tra cui tasselli, sigillanti e guarnizioni.

Tutti gli elementi a contatto con la sigillatura della vetrata isolante, per mantenerne inalterate le prestazioni, devono essere chimicamente compatibili con essa; aspetto purtroppo ampiamente sottovalutato e talvolta addirittura ignorato. Due o più materiali sono tra loro compatibili quando le interazioni fisico-chimiche non creano danni al sistema nel tempo. Con la presente si ritiene di rinnovare l'attenzione su questa importante tematica.

L'utilizzo di materiali non compatibili con i sigillanti della vetrata isolante può innescare processi di migrazione e interazione chimica, un fenomeno a seguito del quale componenti dell'elemento incompatibile aggrediscono e penetrano la seconda barriera (polisolfuro/poliuretano/silicone) fino a raggiungere la prima barriera (butile), rendendola estremamente morbida ed elastica. Il butile dopo una volta "aggredito", cede, **invadendo l'intercapedine della vetrata e formando colature** più o meno evidenti. A parte il danno estetico, facilmente visibile, la migrazione comporta la perdita di isolamento dell'intercapedine, con conseguente fuori uscita del gas e ingresso del vapore acqueo; **compromettendo completamente la funzionalità della vetrata**. La velocità della reazione chimica può essere accelerata da temperature elevate, dall'esposizione solare e da gradienti marcati tra i materiali. Interazioni dannose possono avvenire anche tra intercalari ed elementi a contatto con essi, con conseguente alterazione del colore, formazione di bolle o delaminazione.

In seguito alcune fotografie di migrazione generata dal contatto tra vetrata isolante e silicone "neutro" non compatibile nel primo caso, e poliuretano espanso, nel secondo.

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Esistono diverse norme che chiariscono ruoli e responsabilità nel processo di posa, tra cui la UNI EN 10818, la UNI EN 12488 e la UNI 11673. In tutte è tre le norme è espicitato il concetto che la **"compatibilità tra i materiali deve essere controllata"**. La norma UNI 11673 mette in carico al progettista della posa in opera la verifica della compatibilità tra i vari elementi del sistema. Nel caso sia invece il posatore che opera senza specifici riferimenti, questo a tutti gli effetti si sostituisce al progettista, in termini operativi e di responsabilità.

Per evitare danni alle vetrate isolanti consigliamo di verificare sempre con i vostri fornitori di sigillanti e componenti per la posa (tasselli, guarnizioni, fondi giunto, siliconi, nasti espandenti ecc.) la compatibilità di tutti gli elementi a contatto con il bordo del vetrocamera e dei vetri laminati.

Le vetrate isolanti realizzate da Vetreria 2M impiegano come sigillanti:

1ª barriera: Butile IGK 511.

2ª barriera: Poliuretano IGK 130 o Silicone DOW 3363.

Alleghiamo in seguito schede tecniche e schede di compatibilità rilasciate dai produttori dei sigillanti da noi impiegati.

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IGK 511 Butyl Primary Seal

Characteristics:	IGK 511 is a one-part, thermoplastic, solvent free, UV stable sealant on basis of polyisobutylene, specially developed for the primary seal of double glazing units.
Shelf life:	At least 2 years at +10 to +25 °C.
Adhesion:	Excellent adhesion to glass, aluminium, high-grade steel and galvanised steel as well as plastic spacers.
Water vapour - permeability:	approx. 0.02 g / day m² mm, in accordance with DIN EN ISO 1279/4
Specific weight:	1.21 ± 0.03 g /cm³
Shear stress:	approx. 0.2 N/mm² for a layer thickness off 1-2 mm at 20°C (tearing speed 100 mm/min).
Cone penetration:	25 - 36 dmm
Volatile component:	< 0.08 %
Form of delivery:	drums à 200 kg Europallets with 72 slugs of 7.4 kg (533 kg) Exportpallets with 96 slugs of 7.4 kg (710.4 kg) Exportpallets with 256 slugs of 2.5 kg (640 kg) Exportpallets with 396 slugs of 1.1 kg (436 kg)
Identification:	Transport: none Regulation governing work materials: none
Application:	IGK 511 is extruded at application temperatures of approx. 110-140°C and a pressure of about 4-6 bar. The speed with which the spacer bar passes the nozzles, as well as pressure and temperature, determine the amount of butyl per running metre. When applied to the spacer bar with 2.5 g ± 10% per running metre and side and with a continuous, constant thickness during the extrusion process, it serves the purpose of a primary seal best. Differing amounts have to be agreed with IGK.
Safety instructions:	At the time of taking off the insulating glass units from the line by means of vacuum lifting pads the outer sealing material does not contribute mechanical stability to the insulating glass units. Therefore, the danger of sliding down of one or more glasses and glass breakage exists. Please take appropriate safety precautions! Please also 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 511 is manufactured in accordance with quality guidelines DIN EN ISO 9001 and 14001

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 it's 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.

IGK 130 - Polyurethane-Secondary Seal

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:
Shore A after (depending on curing type used)
3 h: 20 - 35
24 h: 45 - 66
final hardness: 60 ± 8

Tensile shear resistance:
1,4 N/mm²

Volatile component: < 1 %

Elastic restoring capacity: > 90 %

Certifications:

DIN EN 1279-2/3/4
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

Information regarding compatibility of IGK primary and secondary sealants with adhesives and sealants from other manufacturers used in window applications

The following statements are based on compatibility tests acc. to ift-guideline DI-01/1, "triple tests" P1

IGK 511 / IGK 130					
Supplier	**Adhesive / Sealant**	**Foot-note**	**Tested Batches / Remarks**	**Test Date**	**Possible bon-ding position**
AP-bond	Ap-bond „Black"	2)	21015433 (A) 21015441 (B)	2022	Rebate
Dow	DS 700 Firestop „Black"	2)	H041L8K054	2022	Glas edge
	DS 791 „Black"	2)	H041L8F047	2022	Glas edge
	DS 791T „Transpa-rent"	2)	H041M1L050	2022	Glas edge
	DS 776 „White"	2)	H041L9A080	2022	Glas edge
	DS 796 „Black"	2)	H041M16047	2022	Glas edge
	DS 799 EU „Black"	2)	H041L67049	2022	Glas edge
	DS 895 „Black"	2)	H041LAG045	2022	Glas edge
	DS 3793 „Black"	2)	H041LB4063	2022	Glas edge
Otto-Chemie	Ottoseal S 7 „Black"	1)	14561521	2022	Glas edge
	Ottoseal S110 „Black"	1)	14664132	2022	Glas edge
	Ottoseal S112 „Transparent"	1)	13528141	2022	Glas edge
	Ottoseal S120 „Black"	1)	14561041	2022	Glas edge
	Ottocoll S 81 „Black"	1)	14972052 (A) 14972071 (B)	2022	Rebate
	Ottocoll S 88 „Black"	1)	20284982	2022	Glas edge
	Ottocoll S 670 „light grey"	1)	11767895 (A) 14870431 (B)	2022	Rebate

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Information regarding compatibility of IGK primary and secondary sealants with adhesives and sealants from other manufacturers used in window applications

Ramsauer	Ramsauer 350 Fassade „Black"	2)	00143821	2022	Rebate
	Ramsauer 120 Neutral „Transparent"	2)	00143786	2022	Glas edge
	Ramsauer 130 „Transparent"	2)	00144572	2022	Glas edge
	Ramsauer 131 Multiflex „Transparent"	2)	00143124	2022	Overlap
	Glasleistenfüller 490 „Rose"	2)	00143412	2022	Glas edge
	Ramsauer 640 „White"	2)	00143601	2022	Glas edge
	Ramsauer 670 2K-Klebstoff „Black"	1)	00152434	2022	Rebate
Sika	Sikasil WT 40 „Black"	2)	3005490222	2022	Overlap
	Sikasil WT 65 „Grey"	2)	3005602341	2022	Overlap
	Sikasil WT 66 PC „Grey"	2)	3005604684	2022	Glas edge
	Sikasil WT-480 „Black"	2)	222109	2022	Glas edge
	Sikasil WT-485 „Black"	2)	312105	2022	Glas edge
Schüco	Special adhesive „P" grey 288190	2)	Only together wich activator „P" 288191	2017	/
	Special adhesive „S" black 288180	2)	Only together wich activator „S" 288181	2017	/
Kömmerling	Ködiglaze P	2)	42290100	2021	/
	Ködiglaze P 2K	2)	A)42290100 B) ./.	2021	/

1) The recommendations mentioned above are based on mutual compatibility tests between the manufacturer of the adhesive / sealant and IGK. A contractual agreement exists between manufacturer and IGK regarding mutual obligation to inform about changes in each relevant formulation.

2) The result of our compatibility test refers to the tested batches and continues to apply only if the manufacturer mentioned did not make any changes in formulation, raw materials, and / or manufacturing process to the products since the time of our tests. We do not have any influence on that. Possible changes realized by the manufacturer are not necessarily known to us. The manufacturer must be consulted with regard to the compliance of the formulation of the tested lots with the formulation actually produced. Please ask the particular manufacturer for a compatibility confirmation, too.

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Information regarding compatibility of IGK primary and secondary sealants with adhesives and sealants from other manufacturers used in window applications

Recommendation for possible bonding position

Rebate bonding	full-surface contact between secondary sealant and tested material
Glas edge bonding	small-area contact with an overlap of maximum 3 mm between secondary sealant and tested material
Overlap bonding	absence of contact between secondary sealant and tested material

We would like to point out that our statements regarding compatibility of corresponding prospective testings and findings could possibly change. It is the responsibility of the user to satisfy him-self prior to use that the actual recommendations are existent.

These designations are collected on basis of detailed trials and state-of-the-art and consider the current status of our practical experience. Our statements exclusively refer to the materials tested by us under our test conditions. As a precaution we want to point out that findings from laboratory trials can not cover all possible influences in practice and all possible installation situations. We recommend to clarify the suitability of our products for the respective application with a sample or a prototype separately. In case of questions please do not hesitate to contact us.

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Technical Data Sheet

DOWSIL™ 3363 Insulating Glass Sealant

Two-part silicone sealant with high strength for use as a secondary seal in insulating glass units.

Features & Benefits

- Economical joint sizes in high strength IG applications
- High design strength (0.21 MPa) allowing joint size reduction up to 30%
- Enhanced productivity with reduced joint dimensions
- European Technical Approval (ETA13/0359)
- Suitable for gas-filled triple glazed units and gas-filled double glazed units
- Structural capability as secondary sealant for insulating glass in structural glazing applications
- Outstanding adhesion to a wide range of substrates including coated and reflective glasses, aluminum and steel spacers, and a variety of plastics
- Meets EN 1279 part 4 and 6 and EN 13022
- Tested according to EN 15434
- Meets the requirements of CEKAL
- Low water absorption
- Excellent temperature stability: -50°C to 150°C
- Non-corrosive cure
- Fast curing time
- Outstanding resistance to ozone and ultraviolet (UV) radiation
- High modulus which limits the stress on the primary sealant and makes it particularly suited for gas-filled insulating glass units

Applications

- DOWSIL™ 3363 Insulating Glass Sealant is a high strength secondary two-part silicone sealant specifically designed for high strength applications, where conventional sealants with lower strength would lead to increased joint sizes. It enables economical joint sizes in highly demanding insulating glass (IG) applications such as: high wind in tall buildings, hurricane loads, cold-bent glass or high impact loads such as bomb blast. Smaller joint dimensions can be filled faster and therefore lead to productivity enhancements.
- DOWSIL™ 3363 Insulating Glass Sealant is ideal as a secondary sealant for triple and double glazed units and meets EN 1279 requirements for gas-filled IG.
- DOWSIL™ 3363 Insulating Glass Sealant can be used in IG applications for structurally glazed facades. It is UV resistant, provides long-term durability and excellent adhesion to glass and IG spacers.

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test[1]	Property	Unit	Result
	DOWSIL™ 3363 Insulating Glass Sealant Base: as supplied		
	Color and consistency		White, viscous paste
	Specific gravity		1.38
	DOWSIL™ 3363 Insulating Glass Sealant Curing Agent: as supplied		
	Color and consistency		Thick black paste
	Specific gravity		1.05
	Viscosity (60 s^{-1})	Pa.s	7.5
	As mixed		
	Color and consistency		Black non-slump paste
	Working time (25°C, 50% R.H.)	minutes	5–10
	Snap time (25°C, 50% R.H.)	minutes	10–30
	Specific gravity		1.33
	Corrosiveness		Non-corrosive
ISO 8339	Tensile strength	MPa	1.5
EN 1279-6	Durometer hardness, Shore A		60
ETAG 002	Design stress in tension	MPa	0.21
	Design stress in static shear	MPa	0.011
	Elastic modulus in tension or compression	MPa	4.8
EN 1279-4	Water vapor permeability (2.0 mm film)	$g/m^2/24h$	18
EN 1279-4	Gas permeability	$g/(m^2h)$	0.46

1. ISO: International Standardization Organization
   EN: European Norm
   ETAG: European Technical Agreement Guidelines

Description

DOWSIL™ 3363 Insulating Glass Sealant is a two-part, neutral curing silicone formulation for insulating glass applications.

Technical Specifications and Standards

DOWSIL™ 3363 Insulating Glass Sealant is suitable as secondary seal in gas-filled insulating glass units and meets the requirements according to EN 1279 in an IG system. It is suitable for gas-filled triple and double glazed IG. As valid for any other technology, a proper application and fabrication of the insulating glass unit is required.

DOWSIL™ 3363 Insulating Glass Sealant is CE-marked according to ETAG002. The product also meets requirements according to EN 1279 parts 4 and 6.

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Technical Specifications and Standards (Cont.)

Meets the requirements of CEKAL.

RAL Quality Label 520/2-3

Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC régulations	A+	Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)
AgBB/ABG	Pass	Anforderungen an bauliche Anlagen bezOglich des Gesundheitsschutzes (ABG), Entwurf 31.08.2017/August 2018 (AgBB)
Belgian Regulation	Pass	Royal decree of May 2014 (C-2014/24239)
EMICODE	EC 1 Plus	April 2019
Indoor Air Comfort	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
BREEAM International	Compliant	BREEAM International New Construction v2.0 (2016)
BREEAM Norway	Pass	BREEAM-NOR New Construction v1.2 (2019)
CDPH	Pass	
M1	Pass	

How to Use

Mixing and Dispensing Instructions

DOWSIL™ 3363 Insulating Glass Sealant should be mixed in a ratio of 10:1 base to curing agent by weight. At this mix ratio, the sealant typically exhibits a working time of 5–10 minutes and allows units to be handled within two hours. Slight variations in mixing ratio can be tolerated, but these should not exceed 11:1 to 9:1 by weight to ensure minimum properties are obtained.

The sealant is compatible with most of DOWSIL™ neutral curing sealants. Please contact our technical services department for more information.

How to Use (Cont.)

Mixing and Dispensing Instructions (Cont.)
To achieve the best mechanical properties of DOWSIL™ 3363 Insulating Glass Sealant, it is recommended that the base and curing agent are thoroughly mixed using an airless mixing system found on most existing commercially available two-part silicone dispensing machines.

Equipment Cleaning
When not being used it is recommended that the dispensing equipment be purged either with the uncatalyzed base, or flushed with a suitable solvent such as DOWSIL™ 3522 Cleaning Solvent Concentrated. If cured sealant has built up inside the equipment it is recommended to flush the equipment for the appropriate time with DOWSIL™ 3522 Cleaning Solvent Concentrated. This solvent dissolves cured silicone sealant and provides optimum cleaning performance.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

When stored at or below 30°C, DOWSIL™ 3363 Insulating Glass Sealant Curing Agent has a usable life of 14 months from the date of production.

When stored at or below 30°C, DOWSIL™ 3363 Insulating Glass Sealant Base has a usable life of 14 months from the date of production.

Packaging Information

Lot matching of DOWSIL™ 3363 Insulating Glass Sealant Base and DOWSIL™ 3363 Insulating Glass Sealant Curing Agent is not required. DOWSIL™ 3363 Insulating Glass Sealant Base is available in 250 kg drums. DOWSIL™ 3363 Insulating Glass Sealant Catalyst is available in 25 kg pails.

Limitations

The sealant cannot be used for structural glazing of glass units onto a metal frame. DOWSIL™ 993 SG Sealant is the recommended product for that application. Please contact Dow to get the proper glazing recommendations when using coated glass.

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

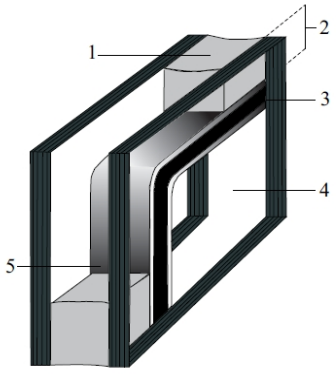
It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.



Legend
1. Secondary seal (DOWSIL™ 3363 Insulating Glass Sealant)
2. Secondary seal - sealant depth
3. Primary seal – polyisobutylene
4. Glass
5. Spacer bar

Figure 1: Typical section of a dual sealed insulating glass unit.

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High Performance Building Solutions

Dow Construction Industry System Sealant Compatibility Statement

Date: 8th January 2022
To : Whom it concerns

Subject: Compatibility

Based on and within the limits of the test results from ASTM C-1087 test procedure or test method ETAG 002 Paragraph 5.1.4.2.5 (long term compatibility through qualitative adhesion test), we confirm that

Dow Sil™ 993 Structural Glazing Sealant,
Dow Sil™ 993N Structural Glazing Sealant,
DowSil™ 994 Ultra Fast Windows Bonding Sealant,
Dow Sil™ 895 Structural Glazing Sealant,
Dow Sil™ 995 Structural Glazing Sealant,
Dow Sil™ 3362 Insulating Glass Sealant,
Dow Sil™ 3362HD Insulating Glass Sealant,
Dow Sil™ 3362N Insulating Glass Sealant,
Dow Sil™ 3363 Insulating Glass Sealant,
Dow Sil™ 3441 Two-Part Fast Cure Workshop Silicone,
Dow Sil™ 3793 Insulated Glass Sealant,
Dow Sil™ 983 Structural Glazing Sealant
DOWSIL™ 982 Silicone Insulating Glass Sealant
DOWSIL™ 121 Structural Glazing Sealant
DOWSIL™ 3545 Insulating Glass Sealant
Dow Sil™ 791 Silicone Weatherproofing Sealant,
Dow Sil™ 797 Silicone Weatherproofing Sealant
Dow Sil™ 796 PVC-U, Aluminium & Wood Silicone,
DowSil™ 817 Mirror Adhesive
DowSil™ 896 PanelFix
DowSil™ 756 SMS Building Sealant
DowSil™ 776 InstantFix WB
DowSil™ 813C Construction & Concrete Silicone Sealant
DowSil™ 791T Weatherproof Silicone Sealant
DowSil™ 3-0117 Silicone Insulating Glass Sealant
DowSil™ 799 EU Glaze & Go Sealant
DowSil™ 795 Silicone Building Sealant
DowSil™Firestop 700
DowSil™ C60 Low Modulus Silicone Sealant
DowSil™ 335 Butyl Sealant
DowSil™FIRESTOP 400 Sealant
DOWSIL™ Smokeseal 800 SL

are compatible together.

For more information and assistance in product selection, please contact your Dow Construction Sales Application Engineer or your Dow Technical Service Engineer.

Best regards,

Sebastien Dath
Façade Engineering & Architectural Design Manager - EMEAI
High Performance Building