

GLOBAL BUT LOCAL PARTNERSHIP



FOR MORE WINDOW AND DOOR SOLUTIONS:



www.sika.com/windows

WE ARE SIKA

Sika is a specialty chemicals company with a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing and protecting in the building sector, manufacture and the motor vehicle industry. Sika's product lines feature concrete admixtures, mortars, sealants and adhesives, structural strengthening systems, flooring as well as roofing and waterproofing systems.

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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BUILDING TRUST



BUILDING TRUST



ADHESIVE REQUIREMENTS FOR GLASS BONDING COMPLYING WITH EN 1627 (BURGLARY PROOF WINDOWS)

- Good adhesion to glass, IG secondary seal and frame materials like PVC, wood, aluminum, steel
- Elastic but strong bond to glass and frame. Hard, rigid adhesives can cause glass breakage and are not suitable for glass bonding.
- Durable, resistant to humidity and temperature
- Constant material properties over a wide range of temperature
- Compatibility between adhesive, window gaskets and insulating glass sealants.

Sika adhesive for glass bonding meet the requirements of RAL. For customer specific certificates of compatibility browse at www.sika.com/windows.

SIKA WINDOW ADHESIVES: CURING SPEED VS. MECHANICAL STRENGTH

Weeks	Sealing 1C window sealants	Elastic bonding Sikasil® WT-65 1C window adhesive	Rigid bonding
Days		Sikasil® WT-66 PowerCure adhesive	Sikasil® WT-480 2C window adhesive
Minutes			SikaFast®-52XX 2C adhesive
Mechanical strength	Window sealing Not suitable for burglary proof glazing	Structural glass bonding Suitable for burglary proof glazing	Glass bead bonding Suitable for burglary proof glazing

APPLICATION SPEED VS. MATERIAL COST OF SIKA ADHESIVES

Application speed for joint length [min/4m]	Material cost
5	Sikasil® WT-480 2C cartridge
2	SikaFast®-52XX 2C cartridge
1	Sikasil® WT-480 2C drum/pail Sikasil® WT-65 1C unipack Sikasil® WT-66 PowerCure pack
	<ul style="list-style-type: none"> ■ Pump application ■ Low packaging cost ■ High output
	<ul style="list-style-type: none"> ■ PowerCure technology and unipack ■ Sikasil® WT-66: high output ■ Sikasil® WT-65: high output, low packaging cost ■ SikaFast® low consumption
	<ul style="list-style-type: none"> ■ Dual cartridge with static mixer Sikaflex® WT-480 ■ Is market standard for hand application ■ Low output ■ High packaging cost



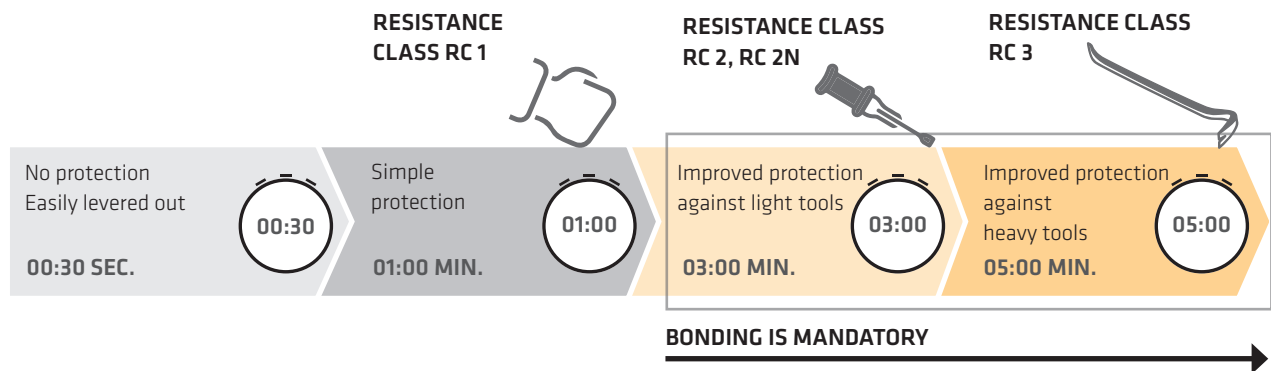
FAMILY HOME, SWITZERLAND
Windows: Internorm

SIKA FENESTRATION SYSTEMS BURGLARY PROOF WINDOW GLAZING – PROCESS MATERIALS

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SAFETY CALLS FOR STRUCTURAL WINDOW BONDING

BONDING IS THE OPTIMAL TECHNOLOGY for a durable and safe connection of glass to the frame bonding. Processes can be included easily and cost efficiently in the window production both in the factory and onsite. Sika offers tested and approved solutions from manual to fully-automated series production.



BURGLARY PROTECTION COMPLYING WITH EN 1627 REQUESTS:

- Resistant components
- Robust frame construction
- Laminated safety glass (for RC 2, RC 3)
- Safety hardware
- Lockable handle

STRONG CONNECTIONS:

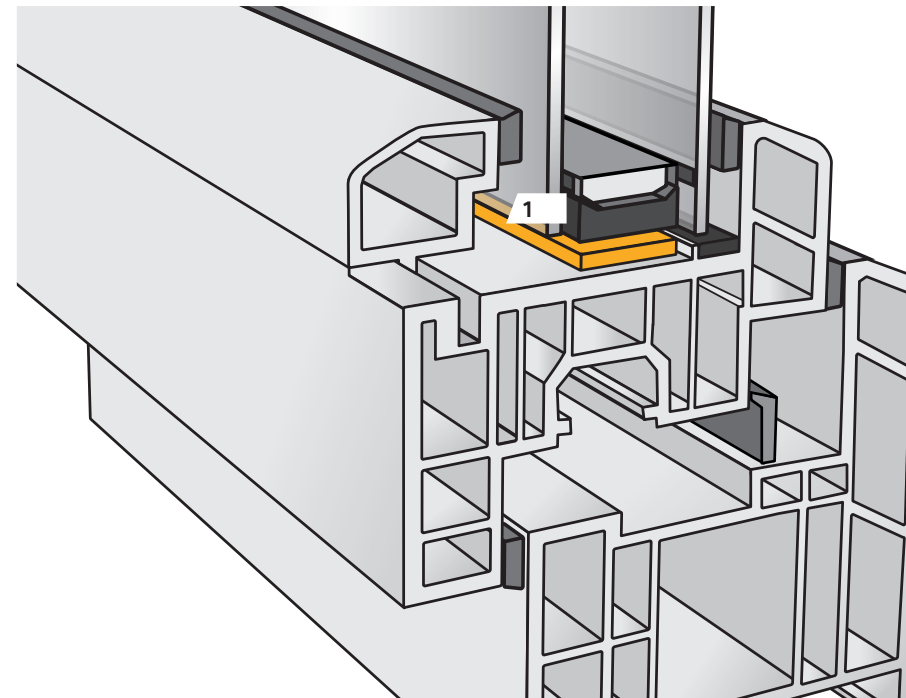
- Bond of glass to frame (RC 2N, RC 2, RC3)
- Professional window installation

For certificates of approved systems browse at www.sika.com/windows.

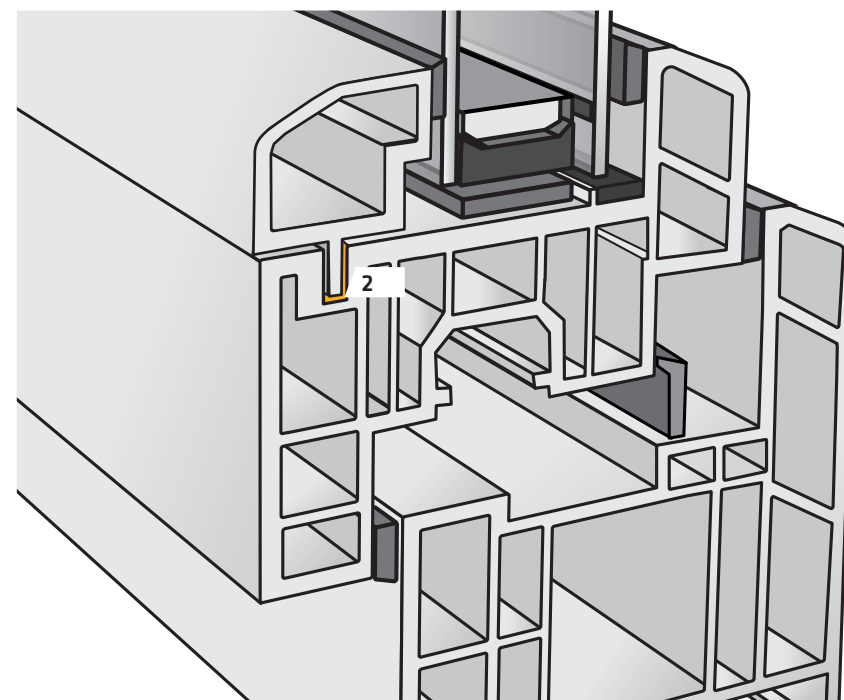
SIKA HAS GOT THE OPTIMAL SOLUTIONS

BONDING TECHNOLOGY

GLASS EDGE, REBATE AND OVERLAP BONDING



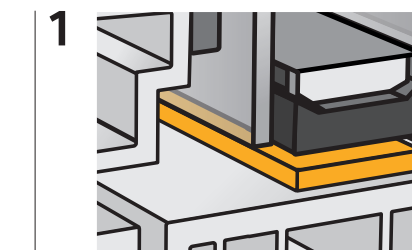
BONDING OF GLAZING BEADS



ADHESIVE SYSTEMS

Sikasil® WT SILICONE ADHESIVES

- Sika's silicone technology is the reliable base for Sika's window adhesives glass edge, rebate and overlap bonding.
- Sikasil® WT silicone adhesives are extremely weathering resistant, adhere very well to many frame materials. Their compatibility has been tested with the most renowned insulating glass sealants.
- Sikasil® WT silicone adhesives are tested according to EN 1627 and meet the extremely high requirements of resistance class RC 3.



Glass edge, rebate and overlap bonding.

SikaFast®-52xx ACRYLATE ADHESIVE

- SikaFast®-52xx serie is the optimal product for bonding of glazing beads.
- SikaFast®-52xx acrylate adhesives are fast curing and form a high-strength connection between glazing bead and sash frame within minutes.
- Their extremely high mechanical strength prevent a levering-out of the glazing bead without a complete destruction of the window frame.



Bonding of glazing beads.

PRODUCTS

Sikasil® WT-65
1C silicone adhesive



Sikasil® WT-66 PowerCure
Accelerated 1C silicone adhesive



Sikasil® WT-480
2C silicone adhesive



SikaFast®-52xx NT ADHESIVE SYSTEMS
2C acrylate adhesive



APPLICATION TOOLS

Unipack application gun



PowerCure dispenser



Dual cartridge application gun



Pump system



Dual cartridge application gun



	Sikasil® WT-65 1C unipack	Sikasil® WT-480 dual cartridge	Sikasil® WT-66 PowerCure	Sikasil® WT-480 drum/pail	SikaFast®-52xx dual cartridge
Through cure	--	++	++	++	+++
Application speed	++	---	+++	+++	++
Flexible use	+++	+	+++	---	+++
Stabilization of sash frame	++	+++	++	+++	--
Material cost	++	---	+	+++	-
Equipment cost	+++	++	+	---	+++