



STRUCTURAL WINDOW BONDING
SIKA - THE EXPERTS IN
STRUCTURAL ADHESIVES FOR
WINDOW BONDING

BUILDING TRUST



ADVANTAGES OF WINDOW BONDING



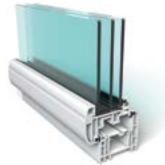
ELIMINATE CALL OUT COSTS

Everyone is aware of how costly call outs to fix 'catching' window sashes can be. Removal of the glasses and resetting of glazing blocks is a constant problem. Bonded windows are dimensionally stable from the offset and can therefore be opened and closed for years, eliminating the need for re-adjustment....for the life of the window!



BURGLARY RESISTANCE

Sikasil® Window Technology (WT) provides a strong and durable bond which makes it very difficult for a would be opportunist burglar to remove Insulated Glass units compared with conventional constructed sashes. Sikasil® adhesives are approved for Resistance Class (RC) 2 and Resistance Class (RC) 3.



AESTHETICS

PVC windows are always a popular choice because it is durable, rigid and will not rust, peel, flake or rot. The latest trends are to have coloured PVC windows or even PVC that looks like wood. The advantage to using Sikasil® Window Technology (WT) adhesives opens up the opportunities of more design freedom, including slimmer sash profiles.



LOWER MANUFACTURING COSTS

Less materials and reduced profile cross sections with bonded windows saves material costs for framing by up to 40%.



LET THE LIGHT SHINE IN

The beauty of bonded windows is the ability to reduce the sash width profile cross section. Using Sikasil® adhesives eliminates the steel reinforcement, which in turn reduces the energy transfer through the sash by approximately 20%. The slimmer sash allows more light into the living space and adds to the occupants 'Well Being'.

THE PRODUCTS

Sikasil® WT Range

2-part, UV resistant, high modulus window bonding silicone adhesives

USES

- For structural glass bonding of PVC, wood and aluminium windows
- For manual and machine application
- Best in class for PVC windows

CHARACTERISTICS AND ADVANTAGES

- Excellent adhesion to most relevant substrates
- Remains flexible over a wide temperature range
- Long term durability
- Meets requirements of EOTA ETAG 002 and RAL-GZ 716/1

PRODUCT	Sikasil® WT-480
MIXER OPEN TIME	8 - 12 minutes (approx)
SHORE A HARDNESS	60 (approx)
CHARACTERISTICS	<ul style="list-style-type: none"> ■ Long mixer open time ■ High modulus
COLOUR	Black, Grey S6

PRODUCT	Sikasil® WT-485
MIXER OPEN TIME	2 - 3 minutes (approx)
SHORE A HARDNESS	45 (approx)
CHARACTERISTICS	<ul style="list-style-type: none"> ■ High curing speed ■ Automated application
COLOUR	Black, Grey

PRODUCT	Sikasil® WT-470
MIXER OPEN TIME	7 - 9 minutes (approx)
SHORE A HARDNESS	45 (approx)
CHARACTERISTICS	<ul style="list-style-type: none"> ■ Medium curing speed ■ Highly flexible
COLOUR	Black, Grey S6

PRODUCT	Sikasil® WT-40
SHORE A HARDNESS	40 (approx)
CHARACTERISTICS	<ul style="list-style-type: none"> ■ 1-component ■ Easy to use
COLOUR	Black, Grey

**The choice of product will depend on individual process.
Discuss with one of our experts or contact us for more information.**



The new innovative Sika® PowerCure adhesive Sikasil® AS-66, combines the advantages of one and two component products.

Sikasil® AS-66 is a 1 component, easy to handle adhesive with a battery operated dispenser that has accelerated curing speeds independent of any climate conditions. Therefore, no additional or costly equipment required.

ADVANTAGES

- 1-component, easy to use
- Perfect for glass bonding
- Accelerated curing
- Excellent UV resistance
- Sika PowerCure dispenser - flexible to use
- Reduces process times due to high output
- No limit in joint depth

PRODUCT	Sikasil® AS-66
SHORE A HARDNESS	50 (approx)
CHARACTERISTICS	<ul style="list-style-type: none"> ■ High strength at high elongation ■ Accelerated
COLOUR	Black

Contact our experts:

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