

Dow Performance Silicones

DOWSIL™ 993 Structural Glazing Sealant

Creative Glazing and Façade Construction with Silicone Sealants



DOWSIL™ 993 Silicone Structural Glazing Sealant was used at Burj Khalifa, the world's tallest building at 828m tall, and also the highest installation of an aluminium and glass façade.

Key Features

Design & Aesthetics

- Enables frameless facades with total vision glass systems
- Almost unlimited freedom to create unique curtain walls
- Sealant available in black, white and different grey shades*

Energy Efficiency & Sustainability

- Enables thermal efficient façades, e.g. with gasfilled triple IG
- Allows total vision glass systems without thermal bridges
- Enables integration of renewable energy sources, e.g. PV-panels

Proven Durability & Reliability

- Meets European standard for structural glazing (ETA-01/0005)
- Excellent adhesion to a wide range of substrates
- Excellent stability through wide temperature range
- Resistant to ozone and UV

Description

- Two-component, neutral curing silicone formulation
- For structural bonding of glass, metal and other building components
- High level of mechanical properties
- Odorless and non-corrosive cure
- Suitable for use in impact-resistant window systems

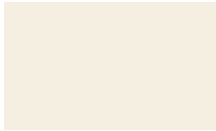
Typical Applications

Structural glazing applications, e.g.:

- Four/two-sided structural glazing system
- Slope/stepped glazing
- U-profile channel system
- Total vision systems
- Point-fixed glazing
- Protective glazing
- Structural attachment of non-glass materials

*please refer to our color card

Color Range* for DOWSIL™ 993 Silicone Structural Glazing Sealant



White



Middle Grey



Black



Light Grey

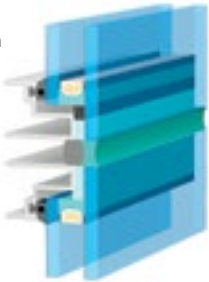


Dark Grey

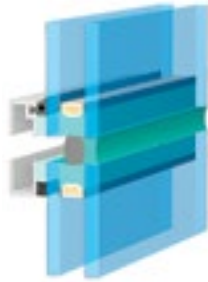
DOWSIL™ 993 Sealant meets European standard for structural glazing (ETA- 01/0005) in all color shades. Fast and easy catalyst color change in production will be supported by DOWSIL™ 3535 Catalyst Cleaner.

* The colors shown on this card will be obtained through a mixing ratio (base : curing agent) of 10:1 by weight or 8:1 by volume. Other ratios may lead to different color results. This color card is only intended for reference use. Custom colors may be available upon request.

Structural Glazing with stepped insulated glass units

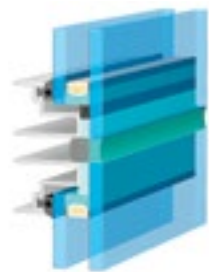


Structural Glazing with symmetric insulated glass units



Structural silicone glazing is today's most innovative form of curtainwall construction. Glass, ceramic, metal, stone and composite panels are adhered to building frames using structural silicone adhesive/sealants. These adhesives not only support the panels; they also transmit windloads to the structure and seal the building from the elements.

Structural Glazing with triple insulated glass units



Contact us

Dow is collaborating with industry professionals around the world to develop solutions to improve the energy efficiency of buildings for a more comfortable environment. Learn more about Dow's full range of High Performance Building Solutions by visiting us online at consumer.dow.com/construction.

Dow has sales offices, manufacturing sites and science and technology laboratories around the globe. Find local contact information at consumer.dow.com/ContactUs.

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