



Product Description

BOSS UV8 is a single component ultra fast UV cure structural adhesive formulated to bond glass to glass and glass to metal with ultimate clarity and very high bond strength.

Physical Properties of Uncured Material

Composition:	Urethane Acrylate
Colour:	Clear / Colorless
Viscosity (+25°C cps):	5000 - 70000
Specific weight (g/ml):	1,1
Curing Time UV (365 nm)	< 10 seconds
Gap to fill:	0,003 mm / 1,5 mm
Flas Point:	> +100°C
Shelf Life:	1 year unopened bottle

Typical Applications

BOSS UV8 cures in seconds upon exposure to UV light to form a toughened polymer. Typical usage applications shown below:

- Bonding stainless brackets to glass
- Bonding metal supports to glass in furniture manufacture.
- Structural assembly of POS displays.
- Structural glass exhibitions/art craft.

Health and Safety in Use

BOSS UV8 should not be used without consulting the MSDS, which contains full information regarding the use of this product, including Transport, Disposal, Toxicological, Exposure Controls, Accidental Release and First Aid measures essential to the safe use of this product.

Properties of Cured Material

Tensile strength (ASTM D-2095-69):	10 - 17 N/mm ²
Torque strength stainless M10 to: Toughened glass	22 Nm
Elongation at break (DIN 53504)	65 - 100%
Hardness (Shore D)	60 - 70
Temperature range	-55°C / +120°C

Instructions For Use

This adhesive is UV sensitive, any exposure to daylight, UV light and artificial light should be kept to an absolute minimum during storage and handling.

1. Clean parts fully and apply adhesive to one of the mating parts.
2. Assemble parts, and position ensuring any bubbles are removed prior to cure.
3. Apply UV light and allow to cure.
4. As the cure rate depends upon lamp intensity, distance from light source, depth of cure needed, bondline gap, and the light transmittance through the substrate itself, it is always advisable to test and assess cure speed prior to production.
5. For guidance, if the gel time under UV exposure = X always allow a minimum of X+2X for a full cure before moving the parts.

Storage & Shelflife

BOSS UV8 should be stored unopened in a cool dry location, out of direct sunlight. Stored correctly, this grade can offer a 12 month shelf life from manufacture. Contact BOSS TECHNICAL service for more information about application, storage and preservation.

The data, information and values contained in this Technical Data Sheet has been obtained by conducting various tests in a controlled laboratory environment, and should be used for guidance purposes only. Although we believe them to be reliable and accurate, users should always conduct their own tests in their specific working conditions to ensure that the product is suitable and effective for use. It is the users sole responsibility to determine the suitability of the product for the application. BOSS INDUSTRIAL cannot be held responsible for the results of procedures undertaken elsewhere, nor for the safeguarding of personnel or property, all of which is the duty of the user. Suitability of products or methods is discretionary. Therefore, warranties or implied usage obligations should not be attributed to, and are not the responsibility of, BOSS INDUSTRIAL. BOSS INDUSTRIAL are not reliable for any financial loss or other damages incurred by the user as a result of the use of this product.