

TECHNICAL DATA SHEET

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PRODUCT : ALCHEMIX SUPERGLUE 8460

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DESCRIPTION

A low odour, low bloom instant adhesive of medium viscosity that requires less ventilation than that normally needed for cyanoacrylate adhesives. Excellent adhesion to most materials.
Medium viscosity.

USES

Areas of critical appearance (i.e. no bloom)
Areas of minimum contamination, (i.e. electrical contacts, etc.)
Suitable for both steel and plastic.

PERFORMANCE DATA, TYPICAL VALUES Tensile Shear Strength

Material	Fixture Time	Strength (N/mm ²)
Steel	30 Seconds	20
Aluminium	12 Seconds	12
ABS	5 Seconds	9
PVC	10 Seconds	8

PROPERTIES

Physical properties of liquid adhesive.

Monomer	B-Methoxy ethyl.
Appearance	Colourless
Specific gravity	1.06
Viscosity @ 25 c (Brookfield)	80 –120 cP
Flash point (Cleveland open cup)	> 85 C
Shelf life (Stored below 25 c)	6 Months minimum
Toxicity	Non -toxic

Physical properties of cured adhesive

Refractive index (ND20)	1.4
Hardness (Rockwell)	85
Specific resistance OHM/cm	8,6 x 10
Dielectric constant @ 1MHZ	3.44
Softening point	150 C
Working temperature range	-55 C to +80 C

STORAGE

Store in original sealed upright container between +3 c and 20 c in a dry area out of direct sunlight. The lower temperature the longer the ultimate shelf life, but bring to room temperature before use.

PACKAGING

Available in 50 gram bottles.
Other packs available upon request.

DIRECTIONS FOR USE

Ensure surfaces are clean and dry, apply adhesive to one surface. Press surfaces together and hold for 10 seconds or as indicated below. Cure speed is rapid so exercise care when aligning. Cure performance can be enhanced if necessary, by using selected activators.

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TYPICAL BONDING TIMES

Plastics	5 – 60 seconds depending on substrates.
Rubbers	2 – 20 seconds depending on substrates .
Metals (degreased)	10 – 60 seconds depending on substrates.

LIMITATIONS

Ensure surfaces are degreased prior to bonding.
Ensure surfaces are close fitting.
This product is not suitable for permanent glass bonding, or applications where the bonded joint may be immersed in water.

RELATIVE HUMIDITY CONDITIONS

Where possible the working environment should have a relative humidity of 50%+.

CAUTION

Prior to use consult relevant material data safety sheet.
When continuously used local fume extraction is recommended.
Contains Cyanoacrylate ester. Use in a well ventilated environment.
In the event of inadvertent skin bonding separate bonded skin tissue carefully by peeling apart gently with a blunt instrument. Preferably after soaking in warm soapy water.
Keep out of reach of children.

DISCLAIMER

Our technical advice, whether verbal, or in writing is given in good faith, but without warranty – this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended process and use.

FOR FURTHER INFORMATION CONTACT

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