



Technical Data Sheet

Feb. 10, 2020

INSTANT GLUE TOUGH

Description:

Toughened low viscosity glue designed to bond surface insensitive material like **wood**, leather, rubber, plastics and metal.

Impact and shock resistance.

Physical properties:

Composition	Ethyl Cyanoacrylate
Viscosity (25°C -cps)	180-210
Gap to fill (Microns)	10-50
Temperature range (°C)	-50°C - 100°C

Fixture Time:

Steel	30-40 seconds
Aluminum	50-60 seconds
PVC/ ABS	60-70 seconds
Leather	5-15 seconds
NBR/ NEOPRENE	30-40 seconds
Ceramic	5-30 seconds
Wood (Teak)	5-30 seconds
Wood (Oak)	90-180 seconds
Wood (Balsa)	2-5 seconds
Wood (Pine)	5-20 seconds
Wood (Bay wood)	10-30 seconds
Wood (Chipboard)	30-90 seconds

Wood (Fir)	45-90 seconds
Paper	1-10 seconds

Properties of cured material (typical) for 24 hours @ 22 °C:

Tensile strength ISO 6922 1750-3625 psi

Softening range +160 °C /+170 °C

Lap shear strength ISO 4587 per table below:

Steel	2750 psi
Aluminum	2250 psi
EPDM	75 psi
Nitrile	65 psi

Directions:

Clean and degrease parts to bond.

Apply the glue to one part and fix two parts quickly.

Spread acceptable pressure to ensure the glue increase into a thin film.

Do not re-adjust until tolerable strength is accomplished.

Storage: Product must be kept in a cool and dry room at 10°C to 20°C.

Shelf life: 1 year in unopened packaging at +5°C / +27°C.

Safety and handling: Consult Material Safety Data Sheet (MSDS) before use.

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