



Sole UK Distributors Of
REINHARDT-TECHNIK
 Metering, Mixing &
 Dispensing Systems



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Technical Data Sheet
CYANOLIT GEL 20

CYANOLIT GEL 20 is a high viscosity ethyl cyanoacrylate adhesive for bonding plastics, rubber and metals. Its thixotropic (non-drip) properties make it ideal for bonding porous or vertical surfaces. When used in conjunction with Cyanolit Activator, it is capable of filling large gaps (i.e up to 3mm).

Physical Properties

Basis Ethyl cyanoacrylate

In liquid form

Appearance transparent
 Viscosity 100,000 cps (Thixotropic gel)
 Specific gravity 1.069 g/cm³
 Flash point 83°C

Polymerised

Melting point 142°C
 Refractive index n₂₀ 1.48
 Dielectric constant 3.4 (at 10 KHz)
 Volume resistivity 8.5 . 10¹² (Ohm.cm)

Substrate	Cure time (sec.)	Tensile shear Strength N/mm ²	Tensile Strength N/mm ²
ABS	5	9.8*	24.1
Delrin	120	6.0	18.2
FRP	120	6.0	8.0
Nylon 6.6	45	3.1	18.0
Phenolic	90	7.0*	35.1*
Polycarbonate	30	7.3	20.3
PMMA	45	5.0*	25.0
PVC	15	10.0*	30.0
EPT	10	0.6*	2.3

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Substrate	Cure time (sec.)	Tensile shear Strength N/mm²	Tensile Strength N/mm²
Natural Rubber	5	0.4*	2.5*
Neoprene Rubber	5	4.0	1.0
NBR	5	0.4*	2.5*
Polyurethane Rubber	15	-	-
Aluminium	45	11.0	35.0
Brass	15	13.0	39.0
Copper	3	13.0	31.7
Stainless Steel	45	21.0	33.8
Steel	30	20.0	34.0
Zinc	45	14.0	35.0
ABS/Aluminium	45	7.0	15.7
FRP/Stainless Steel	120	12.0	18.2
Phenolic/Copper	10	5.0*	28.0
PVC/Steel	30	10.0*	14.0

* Material Failure

