

Code	Description	Size	Colour
09102	Soudal Ultrabonder 601	50 gr	Clear

1. Description

Soudal Ultrabonder 601 is a low viscosity, fast curing single component adhesive. It is specifically formulated for difficult to bond substrates, particularly suitable for bonding plastic or rubber parts.

2. Characteristics

- High strength
- Fast setting/fixing adhesive
- One component
- Solvent-free
- Does not require use of catalyst, heat or clamps

3. Technical Data

	Liquid State	Cured State
Base:	Ethyl Cyanoacrylate	
Colour:	Clear	Clear
Specific Gravity (20°C):		1.08
Refractive Index (n20D):	1.439	1.490
Flash Point (°C):	95(203 F)	
Boiling Point (°C):	65-6 mmHg	
Viscosity (cps):	100-200	
Softening Point (°C):		120 (248°F)
Dielectric Constant (at 10MHz):		2.75
Dielectric Loss (at 10MHz):		0.02
Soluble in:		Acetone, Dimethyl Formamide, Nitromethane, Dimethyl Sulfoxide

4. Applications

- Ceramics/Tiles
- Hardwood
- Laminated plastics
- Metals
- Paper
- Foam plastics
- Some PVC
- Other non-porous surfaces (** Test Dependant)

5. Packaging

50 g

6. Shelf Life

12 months

7. Application Instructions

Method:

1. Make sure the surfaces to be bonded are clean and dry (preferable to solvent wipe plastics, glass, and rubber, and to acid-treat metals).
2. Dispense a drop or drops to one surface only. Apply only enough to leave a thin film after compression.
3. Press parts together and hold firmly for a few seconds. Good contact is essential. An adequate bond develops in less than one minute. (Max strength is achieved in 24 to 48 hours).
4. Wipe off excess adhesive from the top of the container and recap. If left uncapped, may deteriorate by contamination from moisture in the air.
5. Because Gorilla Ultrabonder 601 condenses by polymerization, sometimes whitening will occur on the surface of the container or the bonded materials. Should this happen, wipe surfaces well with acetone.

Bond Strength

(Tensile Shear Strength, Cured for 24 Hours at 20-25°C)

	KG/CM2		KG/CM2
Rigid PVC to Rigid PVC	40-60	SBR to SBR	5-10
ABS to ABS	50-70	Steel to Steel	190-210
Polycarbonate to Polycarbonate	80-120	Stainless Steel to Stainless Steel	160-180
Polystyrene to Polystyrene	30-45	Aluminium to Aluminium	170-190
Natural rubber to Natural rubber	5-9	Copper to Copper	150-170
*Neoprene to Neoprene	5-9	Steel to Rigid PVC	50-60
NBR to NBR.....	5-9	Stainless Steel to Neoprene	5-10
ABS to SBR.....	5-10		

Cure Speed

	Seconds		Seconds
ABS to ABS	2-5	NBR to NBR	3-5
Wood to Wood	>30	Stainless Steel to Stainless Steel	30-45
ABS to Stainless Steel	30-50	ABS to NBR	3-5
NBR to Stainless Steel	> 45	Wood to ABS	>30

Precaution

- Use with proper ventilation. Avoid contact with skin and eyes.
- If contact with skin occurs, rinse with warm water or dissolve gradually with appropriate debonder. Do not try to remove forcibly.
- If adhesive gets into eye, keep eye open and rinse thoroughly. Seek medical attention immediately.
- Keep well out of reach of children.
- Keep adhesive in a cool, dry place 20-25°C. For long term storage, refrigeration (5°C) is recommended.

Holdfast	Competitor		Properties
105	420	20g	Low viscosity, general industrial grade cyanoacrylate adhesive. Penetrating Gorilla Super Glue Adhesive
		500g	Fast, strong bonds to a wide range of metal, plastic and rubber materials.
108	420	20g	Low viscosity, general industrial grade cyanoacrylate adhesive. Penetrating.
		500g	Fast, strong bonds to a wide range of metal, plastic and rubber materials. (Available upon request)
401	*401	20g	Medium viscosity fast curing cyanoacrylate adhesive.
		500g	For rubber and plastic components (Available upon request)
403	414	20g	Medium viscosity cyanoacrylate adhesive
		500g	For Vinyl and other plastics (Available upon request)
407	444	20g	Medium viscosity cyanoacrylate adhesive Gorilla Super Glue Adhesive
		500g	Electronic applications

412	416	20g	Higher viscosity cyanoacrylate adhesive
		500g	Strong bonds to a wide range of metal, plastic and rubber materials. (Available upon request)
1417	417	20g	Temporary bonding cyanoacrylate adhesive (Available upon request)
424	422	20g	High viscosity, general industrial grade cyanoacrylate adhesive Gorilla Super Glue Adhesive.
		500g	Bonding a wide range of metal, plastic and rubber materials.
909	409	20g	Gel cyanoacrylate adhesive. Non-drip, nor-run applications Gorilla Super Glue Adhesive
		500g	
C681		20g	Clear, high viscosity rubber toughened cyanoacrylate adhesive. Impact,
		1kg	& Peel resistance (Available upon request)
C685	411	20g	Clear, high viscosity rubber toughened cyanoacrylate adhesive. Impact,
		1kg	& Peel resistance (Available upon request)
B680	480	20g	Black, medium viscosity cyanoacrylate adhesive. Flexible.
		500g	Good peel strength. Bonds metal, plastic & rubber. (Available upon request)
B684	410	20g	Black, rubber toughened cyanoacrylate adhesive. Peel & Impact resistant.
		500g	Bonds metal, plastic & rubber. (Available upon request)
B689(Gel)	426	20g	Black cyanoacrylate gel adhesive. Impact, peel & moisture resistant. (Available upon request)
B299(Gel)	*455	20g	Black gel, low odor, non-blooming cyanoacrylate adhesive. (Available upon request)
601	401	20g	Med. viscosity, difficult surface industrial grade cyanoacrylate adhesive. Gorilla Super Glue .
		500g	Fast, strong bonds to a wide range of metal, plastic and rubber materials.
606	406	20g	Low viscosity, difficult surface industrial grade cyanoacrylate adhesive.
		500g	Fast, strong bonds to a wide range of plastic and rubber & EPDM materials. (Available upon request)
695	495	20g	Med. viscosity, difficult surface industrial grade cyanoacrylate adhesive.
		500g	Fast, strong bonds to a wide range of metal, plastic and rubber materials. (Available upon request)
701	493	20g	Low viscosity general industrial grade cyanoacrylate adhesive.
		500g	For close fitting Metal bonding (Available upon request)
703	496	20g	Medium viscosity, fast setting cyanoacrylate adhesive.
		500g	For metal bonding (Available upon request)
724	415	20g	General Industrial grade cyanoacrylate adhesive for metal bonding
		500g	Realignment requirements, irregular surfaces, metal bonding (Available upon request)
201	408	20g	Low viscosity, low odor, non-blooming cyanoacrylate adhesive. (Available upon request)
		500g	
202	460	20g	Low viscosity, low odor, non-blooming cyanoacrylate adhesive.
		500g	Bonds a wide variety of materials for cosmetic applications. (Available upon request)
212	403	20g	Medium viscosity, low odor cyanoacrylate adhesive.
		500g	Bonds a wide variety of materials for low blooming applications. (Available upon request)
209	455	20g	Low odor, low blooming gel cyanoacrylate adhesive. (Available upon request)
TB601	4210	20g	Black, low viscosity rubber toughened cyanoacrylate adhesive. Impact, Peel & Thermal resistance (Available upon request)
T698	498	20g	Medium viscosity cyanoacrylate adhesive – resists Thermal cycling to 250F (Available upon request)
TB625	4211	20g	Black, high viscosity rubber toughened cyanoacrylate adhesive. Impact, Peel Humidity & Thermal resistance (Available upon request)
TB909	*4205	20g	Black, rubber toughened cyanoacrylate gel adhesive. Impact, Peel Humidity & Thermal resistance (Available upon request)

MX-2100	770	500g	PP. PE PRIMER (Available upon request)
MX-2001L	7452	500g	LIQUID ACCELERATOR (Available upon request)
MX-2201	768	500g	DEBONDER (Available upon request)

8. Health and Safety Recommendation

- Apply the usual industrial hygiene.
- Wear gloves and safety goggles.

Remark

*The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. **If any clarification is required, please contact Soudal Technical Services or email info@soudal.co.nz.***

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