

# GLUE RANGE



## What is Gluing?

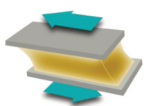
Gluing is a delicate operation which has many advantages since it makes it possible to avoid mechanical assembly by riveting, welding or screwing by allowing a continuous bond, a distribution of forces over the entire surface and a high resistance to fatigue. A reduction in the weight of the assembly due to the low mass of the adhesive and the reduction in the thickness of the materials.

The choice of adhesive will be based on the materials to be assembled and the expected mechanical and durability properties. A wide choice of chemistry is available and we will help you to find the best compromise, according to your application and the means of implementation at your disposal.

	9005UV	9111UV	9030UV
<b>Nature</b>	UV GLUE		
<b>Color</b>	Transparent Yellow	Transparent Yellow	Transparent Yellow
<b>Hardness</b>	D20	D40	D45
<b>Viscosity (cP), 25°C</b>	40 000	20 000	10 000
<b>Temperature range</b>	-50°C / +130°C	-50°C / +150°C	-50°C / +150°C
<b>Curing</b>	UV Hg / UV LED	UV Hg / UV LED	UV Hg / UV LED
<b>Dose UVA mJ/cm2</b>	6000	3300	5000
<b>Adhesion</b>	Glass / Alu / PMMA / ABS	PET / Glass / Alu / PMMA / PC	Glass / Alu / PMMA / PC
<b>Stripper</b>	DVP	DVP	DVP
<b>Thickness maxi (mm)</b>	2	2	2
<b>UV resistance</b>	+	-	--
UV bonding allows assembly in an ultra-short process but requires that one of the faces allows UV rays to pass.			



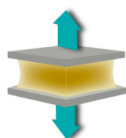
## 4 main types of mechanical stress acting statically or dynamically



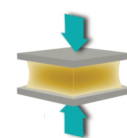
SHEAR



PEEL



TRACTION



COMPRESSION

New Name	POLYURETHANE										EPOXY				
	A220/ A280/ A290	A 252	A236	A210	A211	052110 AFLV MOD D	090211-3	UV186- 141	072111- SB	UV20GEL	2E25	ST1626	ST1621	A140-1	H9952
	SF 490 L15/ SF 490 L10/ SF 490 L03	SF 453 L04	SF 436 L25	SF 410 L60	SF 411 L60	-	-	-	-	-	-	-	-	SP 740	SP 752 L120 FR
Type	POLYURETHANE BI							PU UV BI	PU UV MONO		EPOXY BI				
Color	Black White White	Black	Beige	Grey	Green	Black	Blue	Clear White	Purple	Clear	Amber	Trans- parent	Trans- parent	Beige Black	Black
Hard- ness	D48	A70	D60	D50	A95	D20	A80	A50	D50	A80	D70	D80	D80	D75	D85
Viscosity (cP), 25°C	150 000	600 000	Paste	5 500	Paste	4 500	200 000	8 000	22 500	Thixo- trope	12 000	15 000	45 000	430 000	180 000
Pot Life min	15/10/3	8	30/90/ 120	45	40	10	2	UVA395 7000mj + moisture RT	UVA 4000mj + moisture RT 24h	UVA395 3500mj	60	6	6	40	120
Packa- ging	50ml/ 400ml Bidon	50ml/ 400ml Bidon	400ml/ Bidon	50ml	50ml	50ml/ Kit 29kg	Kit 33kg	50ml/ 200ml/ 30kg	900g	55ml/ 340ml	50ml	50ml	50ml/ 200ml/ Bidon	50ml/ 400ml/ Bidon	50ml/ 420ml/ Bidon
Applica- tion	Structural bonding, absorbs vibrations, impact resistance 30N/mm	Adhesive, Paste, non sliding for irregular space, high flexibili- ty, impact resista- nce 70N/mm	Assem- bly of parts with large clear- ances (<40m m)	Bonding of body- work, bonding of metallic struc- tures (racing vehicles aero- nautics) bonding of insert and com- posite structure	Dielect- ric adhesive for elec- tronic com- ponents, <b>UL94VO</b>	Fill and sealing plastic housing <b>FORD</b>	Potting in elec- tronic housing, action thixotro- pic <b>GM</b>	Sealing connectors on front windshield <b>HONDA, TOYOTA</b>	Structural adhesive for plastics, Nylon, Delrin, PET & Santop- rene PBT/NYLO N/DELRIN/ PP <b>TESLA, GM, HONDA, FORD</b>	Anti vibration for com- posant <b>HONDA TOYOTA</b>	For high tempera- ture 180- 200°C Application EV adhesive and Encapsu- lant <b>FDA Compliant</b>	Quick curing at RT, to glue composite, metal, wood, concrete	Quick curing at RT, to glue composite, metal, wood, concrete	Excellent mechani- cal properties, impact resistance 10N/mm	High mechani- cal resistance, <b>UL</b> and <b>EN45545</b>

	THERMAL MANAGEMENT	
	THERMOSINK 35-5	THERMOSINK 35-6
Type	RTV2	RTV2
Hardness	A25	A75
Mix ratio	1:1	1:1
Temperature range	-40 +200°C	-40 +200°C
Viscosity	15 000	30 000
Color	Grey	Grey
Curing time	4H RT or 15min 125°C	2h RT or 45min 100°C 45MN
Thermal conductivity	> 3,4WM°K/ <b>UL94VO</b>	> 3,5WM°K 3,4WM°K/ <b>UL94VO</b> <b>OUTGAS NASA</b>
Packaging	40kg	40kg

	SILICONE GLUE				
	R15220	R14968	S802	SP7601	SP7605
Color	Transparent	Translucide	White/ Transparent	Black	Transparent
Hardness	A20	A15	A45/A30	A65	A20
Viscosity Iso 1183-1 [g/cm <sup>2</sup> ]	7 000	40 000	Paste	Paste	7 000
Skin forming 23°C/50%RH	15	15	20/12	10	15
Flame retardancy	-	-	UL94 HB	UL94 V1	UL94 HB
Other	-	UV Tracer	- / -	1,7Wm°K	-
Packaging	310ml, 20 l, 200 l drum	310ml, 20 l, 200 l drum	310ml, 20 l, 200 l drum	310ml, 20 l, 200 l drum	310ml, 20 l, 200 l drum
Curing at room temperature, one-component silicones allow the assembly and sealing of parts with very different coefficients of expansion.					