



ADHESIVE PRODUCT SELECTOR GUIDE

NCS offers a versatile range of high-performance adhesive solutions designed for structural integrity, durability, and superior bonding across a wide variety of materials. Engineered for demanding applications, these adhesives provide exceptional mechanical strength, flexibility, and chemical resistance, ensuring reliable performance in dynamic and high-impact environments. Whether bonding metals, composites, or engineered plastics, NCS adhesives deliver secure, long-lasting adhesion tailored to meet the toughest industry requirements.

DEXA™BOND

Versatile range of **Unsaturated Polyester and Vinyl Ester based Bonding Paste Adhesives**. Filled and un-filled Unsaturated Polyester based Bonding Pastes, Fairing and Patching pastes.

DEXA™LOK

Versatile **Urethane Acrylate based Structural Adhesive**. Characterised by it's strong adhesion to a wide range of materials. It's chemical composition includes urethane linkages, providing flexibility and resilience to bonded joints. *

				LIQUID PROPERTIES			MARKET SECTOR & APPLICATION							DESCRIPTION
	PRODUCT	CHEMISTRY	APPLICATION	VISCOSITY (Poise)	GELTIME (Min)	DENSITY	Thixotropic Additive & Stone bonding	General FRP Bonding	Bonding Granite & Engineered Stone	Structural Bonding. High mechanical strength	Core Material & Foam Core Substitute	Bulk fill & Gap fill micro fibre paste	Anti Bubble Paste. Micro fibre	
DEXA™BOND	PREGEL PA	ORTHO	Trowel	1300 - 2000	10 - 26	1,1	•	•						Tough, clear transparent gel, used as thixotropic additive for resins.
	57 PA	ORTHO	Trowel	1300 - 2000	25-Oct	1,1		•	•					Rigid, good color, for bonding granite, engineered stone & solid surface.
	ISOPREGEL PA	ISO	Trowel	1300 - 2000	5 - 10	1,1	•	•						Tough, clear transparent gel, used as thixotropic additive for resins.
	52 PAS BLUE	ISO	Trowel	120 - 160 mm (Penetrometer)	28 - 50	1,4		•						Filled, high density bonding paste.
	503 PA	ISO/NPG	Trowel	250 - 550	28 - 42	0,55 - 0,65						•		Used as a gap filler for laminates. For the manufacture of composite sandwich constructions to stiffen polyester glass molded laminates.
	507 PA	ISO/NPG	Spray	550 - 650	14 - 20	0,55 0 0,75					•			Sprayable Core low density & low exotherm. Requires MVP Spray Equipment. Up to 5mm (1/5 inch) wet on wet.
	53 PA	ISO/NPG	Trowel	300 - 600	25 - 40	0,8 - 0,9					•	•	•	Core bonding in sandwich structures, cavity filling and antibubble paste behind gelcoat.
DEXA™LOK	5010 PA	VINYL ESTER	Trowel/Piping Bag/ Dispenser	3500 - 4500	40 - 50	1,1	•	•		•				Gel paste with 4% elongation for bonding of various sub- strates.
	6010 PA	URETHANE ACRYLATE	Trowel/Piping Bag/ Dispenser	3500 - 4500	45 - 55	1.1				•				High elongation (>90%) gel paste, for deck to hull bonding of FRP to FRP and demanding applications that require strength and resilience.



ACRALOCK® adhesives are high-performance, two-component methacrylate structural adhesives formulated to create strong chemical bonds with a wide range of materials. They provide a secure, permanent assembly for steel, aluminium, engineered plastics, high-performance composites, and other substrates.

PRODUCT	DESCRIPTION	COLOUR	MIX RATIO (Vol)	WORKING TIME (Min)	FIXTURE TIME (Min)	TENSILE STRENGTH PSI (MPA)	TENSILE ELONGATION (%) POSTCURDED	PRIMARY USE, APPLICATIONS
SA1-05	High strength	NAT	1:1	5 - 8	10 - 15	2,500-3,000 (17-20)	75-100	Very high strength with moderate flexibility for better adhesion to pultrusions and SMC for metals, plastics & composites, Ideal for transportation.
SA1-510	Universal Primeless Thick gap	GRY	1:1	8 - 12	16 - 24	2,500-3,000 (17-20)	80-120	High strength, moderate flexibility, and thick gap filling for metals, plastics and composites. Ideal for marine, transportation and wind.
SA1-530	Universal Primeless Thick gap	GRY	1:1	25 - 35	50 - 70	2,500-3,000 (17-20)	80-120	High strength, moderate flexibility, and thick gap filling for metals, plastics and composites. Ideal for marine, transportation and wind.
SA10-05	Universal Primeless	GRY	10:1	4 - 7	8 - 14	2,300-2,800 (15-19)	80-120	High strength, moderate flexibility, and thick gap filling for metals, plastics and composites. Ideal for marine, transportation and wind.
SA10-10	Universal Primeless	GRY	10:1	8 - 12	16 - 24	2,300-2,800 (15-19)	80-120	High strength, moderate flexibility, and thick gap filling for metals, plastics and composites. Ideal for marine, transportation and wind.
SA10-20	Universal Primeless	GRY	10:1	15 - 20	30 - 40	2,300-2,800 (15-19)	80-120	High strength, moderate flexibility, and thick gap filling for metals, plastics and composites. Ideal for marine, transportation and wind.
SIGN CLEAR	Clear & Fast Curing	Clear	10:1	10	17	1,750(12)	1-3	Water clear fast curing. Low and high viscosity versions for acrylic bonding. Ideal for signage, granite, engineered stone and solid surfaces.



**GET IN
TOUCH**



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