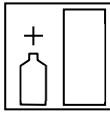




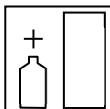
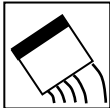

Technical data sheet
HYBRID
Fitting adhesive with increased flexibility
Application:

- Composite manufacturing industry
- manufacture of waterborne vessels (boats: motorboats and sailing yachts)
 - wind turbines
 - transport (fairings, car bodies, etc.)
 - other products made of composite (laminated) materials

Properties:

- excellent adhesive properties
- can be applied in thick layers
- no sagging
- strong and durable joints
- hardened with methyl ethyl ketone peroxide

CHARACTERISTICS	HYBRID	STANDARD
Density	1.05 – 1.15 g/cm ³	PN-EN ISO 2811-1
Gel time at 20°C	40 - 50 min	--
Colour	blue, after curing beige	--
Shrinkage	< 2 %	PN EN ISO 3521
Tensile strength	> 11 MPa	PN EN ISO 527
Elongation at break	> 35 %	PN EN ISO 527
Lap shear strength (joint 12,5x25mm, thickness 1mm)	12 MPa	PN EN 1465
Polish Register of Shipping Type Approval Certificate	TT/1338/710250/22	
CAUTION: Tests were made with 2% Metox 50 hardener.		
SUBSTRATES		
polyester, vinyl ester and epoxy laminates	degrease with the PLUS 780 a remover, dry sand P80 – P120, and degrease again.	
plywood, wood	dry sand with P80 – P120 and remove dust,	
CAUTION		
The adhesive should not be applied directly on wash primers, one-component acrylic or nitrocellulose products		
MIXING RATIO		
	ADHESIVE	Ratio by weight
	HARDENER	100g 1.5-2.5g
COATABILITY		
Polyester, vinyl ester or epoxy laminates (resins), polyester putties and acrylic primers		
APPLICATION CONDITIONS		
The minimum application temperature is +10°C at air humidity from 30 to 70%.		

APPLICATION	
	Clean and sand the surface
	Degrease the surface with PLUS 780
	Observe the required amount of hardener. Mix the components thoroughly until a uniform colour is obtained. Weight quantity of components: Add 100 g of HYBRID to 1.5-2.5 g of hardener. Gel time at 20°C: 40-50 min
	Apply with a trowel (maximum layer thickness: 10mm).
	The curing time is 3 to 5 h at 20°C with 2% of hardener.
SUPPLEMENTARY PRODUCTS	
Hardener – methyl ethyl ketone peroxide (e.g. METOX 50).	
EQUIPMENT CLEANING	
THIN 850 acrylic thinner or NC solvent.	
PACKAGING	
20 kg; 200 kg	
STORAGE CONDITIONS	
Store in a cool dry room, away from sources of fire and heat. Avoid direct exposure to sunlight.	
SHELF LIFE	
HYBRID	6 months / 20°C
SAFETY	
See the Safety Data Sheet.	
NOTES	
Intended for professional use only.	
OTHER INFORMATION	
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