

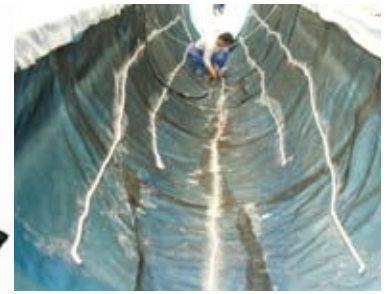
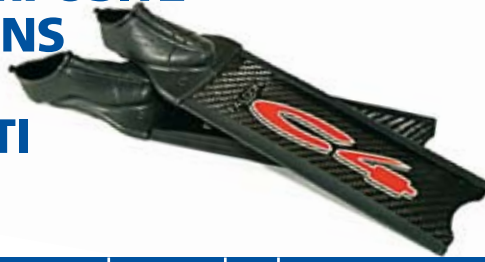


# **Epoxy Resins and Structural Adhesives for Composite Materials**

## Resine Epossidiche e Adesivi Strutturali per i Materiali Compositi

# EPOXY SYSTEMS FOR COMPOSITE AND MARINE APPLICATIONS

## RESINE EPOSSIDICHE PER MATERIALI COMPOSITI E APPLICAZIONI MARINE



RESIN RESINA	HARDENER INDURENTE	MIXING RATIO (% weight) RAPPORTO MIX (% in peso)	POT LIFE MIN 25 °C TEMPO D'UTILIZ. 25 °C	CURING TEMP. TEMP. POLIMER.	POST CURING POST INDURIMENTO	Tg °C MAX	APPLICATIONS/PROPERTIES APPLICAZIONI/PROPRIETA'
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### COLD TO HOT CURING

### WET-LAYUP

EC 130LV Light violet	W 341 Neutral	100:30	8 - 15 min. (100 ml)	Room tem. / 70 °C	(120 °C)	125	Short, medium, long, extra long pot-life, thermal resistant, high performance system. W 342 UV resistant. W 132, W 131, W340 are recommended for medium and large surface vacuum bag laminating.  <i>Resina ad alte prestazioni termoresistente, con indurenti a breve, medio, lungo, extra lungo pot-life. W 342 è resistente agli UV. W 132, W131, W 340 sono indicati per laminazione di medie e ampie superfici con sacco a vuoto.</i>
EC 130LV Light violet	W 342 Neutral	100:30	22 - 27 min. (100 ml)	Room tem. / 70 °C	(120 °C)	118	
EC 130LV Light violet	W 340 Neutral	100:30	50 - 70 min. (100 ml)	Room tem. / 70 °C	(120 °C)	135	
EC 130LV Light violet	W 152 XLR Neutral	100:30	180 - 200 min. (100 ml)	Room tem. / 70 °C	( 80 °C)	103	
EC 130LV Light violet	W 132 Neutral	100:38	240 - 280 min. (100 ml)	Room tem. / 70 °C	( 80 °C)	100	
EC 152 Neutral	W 152 HR Neutral	100:30	12 - 17 min. (200 ml)	Room tem. / 70 °C	( 70 °C)	80	High performance resin with short, medium, long, extra long pot-life hardeners, for: - small pieces wet-lay-up laminating at R.T - medium and large surface vacuum bag laminating  <i>Resina ad alte prestazioni con indurenti a breve, medio, lungo, extra lungo pot-life indicati per laminazione: - di piccoli manufatti in ambiente - di medie e ampie superfici con sacco a vuoto</i>
EC 152 Neutral	W 152 MR Neutral	100:30	35 - 45 min. (200 ml)	Room tem. / 70 °C	( 70 °C)	107	
EC 152 Neutral	W 152 LR Neutral	100:30	90 - 110 min. (200 ml)	Room tem. / 70 °C	( 70 °C)	104	
EC 152 Neutral	W 152 XLR Neutral	100:30	100 - 120 min. (200 ml)	Room tem. / 70 °C	( 70 °C)	97	
EC 155 Neutral	W 155 Neutral	100:35	9 - 13 min. (100 ml)	Room tem. / 50 °C	( 60 °C)	87	
EC 155 Neutral	W 558 Neutral	100:35 For putty add: - EF18T or - EF 23 or - EF 232	7 - 10 min. (100 ml)	Room temperature	( 60 °C)	85	Resin with very fast reaction hardeners for large scale sport items production. W155 for laminating parts; W558 as binder for putty.  <i>Resina abbinata a indurenti molto reattivi per produzione su larga scala di articoli sportivi. W155 per laminazione. W 558 come base per stucchi.</i>

### COLD TO HOT CURING

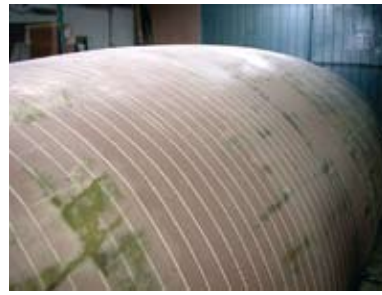
### PRESS MOULDING - RTM

EC 577 Neutral	W 342 Neutral	100:30	15 - 25 min. (100 ml)	60 °C	(120 °C)	120	Fast curing system for high temperature press mould (wakeboards, surf, windsurf, snowboards).
EC 131LV Light violet	W 342 Neutral	100:25	22 - 32 min. (100 ml)	Room tem. / 50 °C	(120 °C)	92	<i>Sistema a rapido indurimento per stampi pressa a caldo (wake boards, windsurf, snowboards).</i>
EC 157 Neutral	W 557 Neutral	100:18	20 - 30 min. (100 ml)	Room tem. / 100 °C	(120 °C)	100	Fast curing low viscosity system for high temperature mould. Small RTM component.  <i>Sistema a bassa viscosità e rapido indurimento per stampi a caldo. Stampaggio RTM di piccoli manufatti.</i>

### COLD CURING + POST CURING

### INFUSION

EC 157 Neutral	W 152 MR Neutral	100:30	40 - 50 min. (200 ml)	Room tem. / 50 °C	( 70 °C)	102	Very low viscosity and medium - long pot-life system. Suitable for medium and large infusion component (i.e. wind turbine blades and boats).
EC 157 Neutral	W 152 LR Neutral	100:30	110 - 130 min. (200 ml)	Room tem. / 50 °C	( 70 °C)	98	<i>Sistema a bassissima viscosità e medio e lungo pot-life. Specifico per l'infusione di parti di medie e grandi dimensioni (es.pale eoliche, barche).</i>
EC 157 Neutral	W 152 XLR Neutral	100:30	120 - 150 min. (100 ml)	Room tem. / 50 °C	( 70 °C)	90	



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#### COLD CURING

#### BOATS MAINTENANCE

EC 148 Neutral	W 147 Neutral	100:45	15 - 20 min. (100 ml)	Room temperature	( 50 °C)	65	Room temperature fast curing system. Easy mixing ratio 2:1 in volume. EC398Tix/W147 is a light thixotropic contrasting colour system to check the proper mixing. For antiosmosis barrier, wet-layup laminating and putty.
EC 398 Tix Yellow	W 147 Red	For putties add: - EF 18T or - EF 23 or - EF 232	12 - 20 min. (100 ml)				
EC 360 Neutral	W 222 Neutral	100:45:40 (filler EF18T)	180 - 300 min.  90 - 150 min. with EF 18T (100 ml)	Room temperature	( 50 °C)	63	Long pot-life system to be filled with hollow microspheres for light and large surface casting.  <i>Sistema lungo pot-life da caricare con microsfere cave per colate leggere e di grandi superfici.</i>
EC 141 NF Neutral	W 242 Neutral	100:45	35 - 45 min.	Room temperature	( 50 °C)	58	Transparent systems for small and large casting (W242=10mm, W243=25mm, W241=50mm). Good UV resistance.
EC 141 NF Neutral	W 243 Neutral	100:40	40 - 60 min. (200 ml)	Room temperature	( 50 °C)	70	<i>Sistemi trasparenti per colate di piccole e grandi dimensioni (W242=10mm, W243=25mm, W241=50mm).</i>
EC 141 NF Neutral	W 241 Neutral	100:45	75 - 95 min.	Room temperature	( 50 °C)	65	<i>Buona resistenza agli UV.</i>

#### COLD CURING + POST CURING

#### MASTER MODELS AND TOOLS COMPOSITES

MS 656 A Grey	MS 656 B White	100:50	35 - 45 min. (500 ml)	Room temperature	( 50 °C)	55	Epoxy extruding paste by meter-mix-dispense for CNC and Style models or medium and large mould.  <i>Pasta epossidica estrudibile a macchina mix-dos per modelli CNC e di stile e per stampi di media e grande dimensione</i>
MC 1164 Filled Alu	W 341 Neutral	100:9	25 - 35 min. (200 ml)	Room temperature	100-130 °C	133	Aluminium filled thermal conductive system for gelcoat and casting mould.
MC 1164 Filled Alu	W 340 Neutral	100:9	150 - 180 min. (200 ml)	Room temperature	100-130 °C	135	<i>Sistemi caricati alluminio termoconduttivi per gelcoat e stampi colati.</i>
EC 130LV Light violet	W 340 Neutral	100:30	50 - 70 min. (100 ml)	Room temperature	100-120 °C	135	Medium pot-life wet-lay up systems for thermoresistant tools up to 135 and 150°C.
EC 138 Neutral	W 340 Neutral	100:30	75 - 85 min. (100 ml)	Room temperature	120-140 °C	150	<i>Sistemi a medio pot-life per laminazione di stampi termoresistenti fino a 135°C e 150°C.</i>
EPIBLOCK EB 690	EPOXY BOARD d=700 *standard size: 1500x500x100/75/50 mm  TAVOLA EPOSSIDICA d=700 *dimensione standard: 1500x500x100/75/50 mm					135	Master models and thermoresistant tools for epoxy pre-pregs tools and parts.  <i>Modelli master e stampi termoreisistenti per pre-pregs epossidici</i>