



Epoxy Resin Systems



HP-Te**tiles**

Epoxy Resin Systems

DESCRIPTION / SPECIAL FEATURES		PRIMING	LAMINATE	INFUSE	BONDING SURFACES	CASTING	FILLER		VISCOSITY	MIXING RATIO	COLOUR	POT LIFE	TEMPERATURES		
									the higher, the tougher	(weight) Resin / Hardener		(min at 20°C)	Processing min recommended	Resilience Tg MAX in C°	
Priming systems															
HP-UC-...	Priming smooth substrates (plastic, glass, metal, tiles...)	■							■■□□	100 / 50	black -9004 white - 9003	20 - 30	18 (25°C)	n. V.	
HP-E80FS	Primer for porous substrates (mineral, wood, metal...), dilutable with XB	■	■						■■□□	100 / 60	brownly	35	15 (20°C)	n. V.	
Filler system															
HP-E30S	Filled filler system for e.g. osmosis remediation						■		■■■■	100 / 50	light green - matt	30	15 (20°C)	115°C	
Adhesive systems															
HP-E5K	High-quality 5min epoxy resin for bonding & adding components				■				■■■□	100 / 100	brownly	5	5 (20°C)	80°C	
HP-E60K	Epoxy resin with long pot life for large-area bonding / adding, slightly tacky on air side				■				■■■□	100 / 50	brownly	60	15 (20°C)	60°C	
HP-E120K					■				■■■□	100 / 50	brownly	120	15 (20°C)	80°C	
Laminating systems															
HP-E28L	Low viscosity impregnating & laminating resin for many applications		■		■				■■□□	100 / 40	transparent blue	28	15 (20°C)	75°C	
HP-E55L			■		■				■■□□	100 / 40	blue	55	18 (20°C)	81°C	
HP-E110L			■		■				■■□□	100 / 40	blue	110	18 (20°C)	75°C	
HP-E29L	High-load resins, improved physiological compatibility		■	■	■				■■□□	100 / 40	light bluish	25	15 (20°C)	93°C	
HP-E56L			■	■	■				■■□□	100 / 40	light bluish	55	18 (20°C)	90°C	
HP-E111L			■	■	■				■■□□	100 / 40	light bluish	110	20 (20°C)	79°C	
HP-E30TLS	Laminating resin for pond and pool coatings		■		■				■■□□	100 / 60	light bluish	30	15 (20°C)	50°C	
Topcoat systems															
HP-E25D	Topcoat with improved UV resistance, as first (fine) layer in negative moulds, visible carbon, osmosis protection, forms clear, tack-free surfaces		■		■				■□□□	100 / 60	colourless	25	10 (20°C)	45°C	
HP-E25DM				■		■			■■■□	100 / 60	colourless	25	10 (20°C)	69°C	
HP-E40D				■		■			■□□□	100 / 50	colourless	40	10 (20°C)	48°C	
HP-30TDS	transparent or coloured according to RAL, floor, agricultural and industrial coatings, pond, pool and boat coatings ²				■				■■■■	100 / 53	colourless or	30	15 (20°C)	50°C	
High-heat resistant systems															
HP-E120WSM	high thermal stability, multi-purpose system, good resistance to fuels		■	■			■		■■■□	100 / 26	very transparent ¹	120	18 (20°C)	150°C	
HP-E120WSI	High heat resistance / particularly suitable for vacuum injection processes (IMC/MTI, RI, VARI,...) Exposed carbon		■	■			■		■□□□	100 / 26	very transparent ¹	120	18 (20°C)	125°C	

= very well suited
 = suitable
 = conditionally suitable
 = not suitable

very thin liquid
 viscous

liquid
 pasty

n.a. = values not available
¹ = depending on the chosen hardener
² = Depending on the shade, colour change / chalking possible under sunlight!

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									the higher, the tougher	(weight) Resin / Hardener		(min at 20°C)	Processing min recommen-	Resilience Tg MAX in C°	
Multi-purpose systems															
HP-E25L	Multi-purpose, unfilled mould making/filling system, chemical resistant	■	■	□	■	■	■	■	■	100 / 60	light yellow	25	15 (20°C)	55°C	
HP-E25KL		■	■	□	■	■	■	■	■	100 / 60	light yellow/clear	25	5 (20°C)	78°C	
HP-E45L		■	■	□	■	■	■	■	■	100 / 60	light yellow	45	18 (20°C)	50°C	
HP-E45KL		■	■	□	■	■	■	■	■	100 / 60	light yellow/clear	45	15 (20°C)	66°C	
HP-E25TU	Laminating and topcoat resin for desert terrariums, suitable for UV lamps	■	■	□	■	■	■	■	■	100 / 60	light yellow/clear	25	10 (20°C)	69°C	
HP-E25TMU		■	■	□	■	■	■	■	■	100 / 60	light yellow/clear	25	10 (20°C)	45°C	
HP-E45T	Laminating and covering resin for terrariums, paludariums	■	■	□	■	■	■	■	■	100 / 60	light yellow/clear	45	15 (20°C)	50°C	
HP-E45TM	Laminating and topcoat resin for terrariums, paludariums, aquariums, also marine aquariums	■	■	□	■	■	■	■	■	100 / 60	light yellow/clear	45	15 (20°C)	66°C	
Injection systems															
HP-E15GL	Infusion resin system, RTM process, optimum impregnation and flow properties, very transparent - visible carbon	□	■	■	□	□	□	□	■	100 / 30	very transparent ¹	15	10 (25°C)	91°C	
HP-E200GL		□	■	■	□	□	□	□	■	100 / 30	very transparent ¹	200	15 (25°C)	107°C	
HP-E300GL		□	■	■	□	□	□	□	■	100 / 30	very transparent ¹	300	15 (25°C)	92°C	
HP-E30RI	Infusion resin system, RTM / RI process, optimum impregnation and flow properties, transparent - visible carbon	□	■	■	□	□	□	□	■	100 / 30	transparent ¹	35	15 (25°C)	90°C	
HP-E120RI		□	■	■	□	□	□	□	■	100 / 30	transparent ¹	200	15 (25°C)	98°C	
HP-E300RI		□	■	■	□	□	□	□	■	100 / 30	transparent ¹	300	15 (25°C)	83°C	
Casting systems															
HP-E45GB	High impact strength, residual flexibility	□	□	□	□	■	□	□	■	100 / 60	transparent	45	15 (20°C)	50°C	
HP-E50GB	Transparent, low-shrinkage potting with tack-free surfaces Pouring heights < 1.5 cm, water clear	□	□	□	□	■	□	□	■	100 / 50	transparent (colourless)	40	10 (20°C)	50°C	
HP-E300GB	Transparent, low-shrinkage potting with tack-free surfaces Pouring heights < 5 cm / 20°C, ideal for river tables	□	□	□	□	■	□	□	■	100 / 35	transparent (carbon-look)	300	18 (20°C)	45°C	
HP-E400GB	Transparent, low-shrinkage casting with tack-free surfaces, crystal clear, casting heights < 10 cm, ideal for River-Table's	□	□	□	□	■	□	□	■	100 / 30	transparent	300	15 (20°C)	40°C	
HP-E45GA	Electric casting up to 48V, casting heights < 2 cm / 20°C	□	□	□	□	■	□	□	■	100 / 60	light yellow/clear	45	15 (20°C)	67°C	
HP-E45GE	Electric casting up to 400V	□	□	□	□	■	□	□	■	100 / 60	transparent	45	15 (20°C)	50°C	
Mould making systems															
HP-E25FB	Mould making resin with high grinding and polishing properties	□	□	□	□	■	□	□	■	100 / 50	dyeable with colour pastes	25	15 (20°C)	65°C	
HP-E30FB	Moulding resin with high abrasion resistance, black or blue-grey, aluminium-filled	□	□	□	□	■	□	□	■	100 / 10	black or blue-grey	30	15 (20°C)	115°C	

■ = very well suited ■ = suitable ■ = conditionally suitable □ = not suitable

■□□□ very thin liquid ■■■□ viscous
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HP-TeXtiles

Composite Materials

DeinTeich.de
Teich Pool Dach
GfK-Coatings

 **bredderpoX®**
Building chemistry



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