

Property Survey CeTePox®-Epoxy Binders



Name Resin Component CeTePox®	Name Hardeners Component CeTePox®	Mixing Ratio Resin : Hardener (parts by weight)	Viscosity of Mixture [mPa*s at 25 °C]	Density of Mixture [g/cm ³ at 23 °C]	pot-life 100 g, 23 °C -> 40 °C [min]	Gel-time, 100 g, appr. [min]	Recommended Minimum Curing Temperature [°C]	Shore-D-Hardness after 1 d curing at r.t.	Surface Quality, curing at r.t. [0 = excellent to 5 = bad]	Resistance to water-spotting, after 1 day at r.t. [0 = no change bis 5 = bad]	Yellowing Resistance; Delta-E value after 12 months outdoor weathering Central Europe	Compressive Strength at 10% compression [MPa]	Tensile Strength [MPa]	Flexural Strength [MPa]	Modulus of Elasticity, bending test [MPa]	Elongation at Break, bending test [%]	Glass Transition Temperature, appr. [°C]
103 S / A	103 S / B	100 : 42 2 : 1 ^{a)}	330	1,1	40	60	10	71	0	0-1	11	73	60	108	3100	6.5	65
132 S / A	132 S / B	100 : 33	370	1,10	20	40	10	78	0	0-1	9	63	44	70	2150	7.5	47
152 R	1393 H	100 : 53	440	1,10	23	32	10	75	0	0	12	63	39	63	2100	9	48
245 R	1393-02 H	100 : 50	520	1.09	14	28	8	70	1-2	0	15	62	38	56	1800	7.5	44
245 R	1951 H	100 : 60	770	1.08	25	50	12	70	1	1	d)	38	27	37	1300	8	40
245 R	1976 H	100 : 110	1500	1.03	25	60	10	20	0	0	d)	n.m. ^{b)}	4	n.m. b)	n.m. b)	66 ^{c)}	10
152 R	1386 H	100 : 110	460	1.10	12	25	8	82	0	0	19	74	47	68	2400	7	47
152 R	1285 H	100 : 50	310	1.09	13	24	8	72	0	1	17	62	41	67	2150	8.5	49
185 S / A	185 S / B	100 : 50	870	1.11	23	37	8	82	0	0	9	69	51	82	2600	8.5	57
187 S / A	187 S / B	100 : 50	350	1.09	25	40	12	80	0	1-2	9	63	45	72	2300	9	64
134 R	1434-01 NF H	3 : 2	1.900	1,1	32	60	12	48	0	0	6	b)	12	b)	b)	55 ^{c)}	30

Status: 26.04.07 JG

Legend: a) parts by volume b) not determinable due to high flexibility c) from tensile testing d) to be tested