Nonylphenol-/Benzylalcohol-free CeTePox® - Hardeners

Name	Characteristics	Nonylphenol-free	Benzylalcohol-free	Viscosity DIN EN ISO 3219 23 °C ca. [mPas]	Recommended Quantity of Hardener [g] [2]	H-Active-Equiv. Weight [g/Eq.]	Gardner Colour Index ISO 4630-2	Temperature Increase 23 °C -> 40 °C appr. [min] [1]	Properties and Fields of Application
1015 NF H	aliphatic polyamine adduct	●		250	81	145	< 7	18	flexibilising, hydrophobising; coatings, putties
1040 H	accelerated aliphatic polyamine	●	●	60	23	40	< 4	14	low viscosity, high reactivity; primers, adhesives
1260 H	modified cycloaliphatic polymamine	●		20[b]	33	58	< 3	21	low-viscous; primers, epoxy-mortars, putties with good resistance properties
1072 NBF H	modified aliphatic polyamine	●	●	115	40[c]	72	< 3	34	accelerated adduct hardener with good through-cure; for benzyl alcohol-free primers
1270-01 NF H	modified cycloaliphatic polyamine	●	●	80	40	70	< 6	29	low viscous; primers, self-levelling coatings, epoxy mortars
1278 NF H	modified cycloaliphatic polyamine	●	●	120	46	78	< 2	30	solvent and benzylic alcohol-free primers and coatings
1285 H	modified cycloaliphatic polyamine	●		50	50	87	< 2	13	low-viscous; for superior quality coatings and highly filled mortars
1287-01 NF H	modified cycloaliphatic polyamine	●		120	50	87	< 5	28	low viscous; for higly filled coatings, self-levelling and floor screed mortars with good resistance
1312 NF H	modified cycloaliphatic polyamine adduct	●		450	66	115	< 2	23	standard adduct hardener with good general properties; nonylphenol-free version of *CeTePox* 1312 H
1385 H	modified cycloaliphatic polyamine adduct	●		50	49	85	< 2	25	reactive, phenol-free hardener for coatings and self-levelling mortars; low yellowing
1386 NF H	modified cycloaliphatic polyamine adduct	●		150	49	85	< 2	13	reactive, phenol-free hardener for coatings and self-levelling mortars with good through-curing even at 5 °C
1389 H	modified cycloaliphatic polyamine adduct	●		50	50	89	< 1	30	low yellowing, good early water-spotting resistance; quartz gravel coatings, flooring
1393 NF H	modified cycloaliphatic polyamine adduct	●		220	54	93	< 3	25	good standard adduct hardener with excellent general properties for flooring
1393-08 NF H	modified cycloaliphatic polyamine adduct, accelerated	●		300	54	93	< 3	15	faster curing version of *CeTePox* 1393 NF H
1410 NF H	modified heterocyclic polyamine	●	●	550	55	95	< 6	6	fast curing mortar coatings, adhesives, putties, tar-epoxy-systems
1434-01 NF H	modified aliphatic polyamine	●	●	110	66[a]	134	< 6	30	flexibilised self-levelling coatings, indoor mastic asphalt surfaces

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1473 NF H	accelerated polyamine hardener phenol-free	●	●	150	43	75	< 3	9	very high reactivity; accelerator for solvent-free epoxy systems
1502 H	modified cycloaliphatic polyamine adduct, accelerated	●		250	56	102	< 2	20	adducct hardener with excellent resistance to chemicals and yellowing; decorative mortars
1537 H	modified cycloaliphatic polyamine adduct, accelerated	●		220	50	95	< 2	15	accelerated adduct hardener with good through curing and improved water resistance
1587 NF H	modified aliphatic polyamine adduct	●	●	320	50	87	< 5	30	adduct hardener for decorative coatings and mortars
1590 NF H	modified aliphatic polyamine adduct	●	●	200	50	90	< 4	65	low viscosity and low reactivity; primers and coatings to be applied in warmer climates
1614 NF H	Mannich-base, phenol-free	●	●	550	40	75	< 4	12	low viscous fast-curing hardener for chemical resistant coatings and mortars
1692 H	Mannich-base, phenol-free	●		2,400[b)]	50	92	< 8	10	very reactive; solvent-free chemical resistant epoxy systems, putties etc.
1951 H	accelerated formulated polyamidoamine adduct	●		1,000	60	115	< 10	25	primer for difficult, wet substrates with excellent adhesion
1976-02 NF H	formulated polyether-polyamine	●	●	1,000	85	250	< 5	25	flexibilising hardener; for tough-elastic, crack-bridging coatings, sealants
VP 343-1 H	modified aliphatic polyamine	●	●	20	31	55	< 2	8	very low-viscous fast curing hardener
VP 782-30 H	modified cycloaliphatic polyamine adduct	●	●	150	50	92	< 3	30	accelerated adduct hardener with good through-cure and resistance to early water spotting; self-levelling coatings
VP 1233-20 H	modified cycloaliphatic polyamine adduct	●		350[b)]	50	95	< 2	26	adduct hardener with good through-cure and earyl water-resistance; decorative coatings

1) temperature increase from 23 °C to 40 °C / 100 ml mixture (isol. beaker) **a) with CeTePox 134 R** **b) at 25 °C** **c) with CeTePox 245 R**

2) for 100 g *CeTePox* 152 R