

Q-RIT Waterborne epoxy hardeners

Hardeners	Solids (% m/m)	Viscosity @25°C (mPa.s)	HEW (g/Eq)	Gel time (minutes)	Uses and comments
Q-RIT 1051	50	30000-50000	210	120-180 (a) ≥ 6 hours (b)	Aqueous epoxy-polyaminoamide adduct without cosolvent, for concrete and metal coatings. Enables to emulsify epoxy resins in water. Good adhesion on metal and mineral substrates, including wet concrete. Use with liquid epoxy resin (phr 110, resin EEW 190) or with solid dispersion.
Q-RIT 1061	50	13000-23000	210	120-180 (a) ≥ 6 hours (b)	Universal aqueous epoxy-polyaminoamide adduct without cosolvent, for concrete and metal coatings. Enables to emulsify epoxy resins in water. Excellent adhesion on a variety of substrates. Dilutable to very low solids for a good impregnation of concrete. High flexibility, ideal for use on metal. Outstanding corrosion protection when combined with solid resin. Use with liquid epoxy resin (phr 110, resin EEW 190) or with solid dispersion.
Q-RIT 1071	55	18000-28000	230	60 (a) ≥ 6 hours (b)	Aqueous amine-adduct without cosolvent for general industrial coatings, floorings, epoxy-modified concrete, grouts. Formulation of thick systems. Very fast hardening and early water resistance. Use with liquid epoxy (phr 120, resin EEW 190) or with solid resin dispersion.
Q-RIT 1072	55	7000-10000	225	120 (a) ≥ 6 hours (b)	Slow version of Q-RIT 1071. Good gloss retention. Use with liquid epoxy (phr 120, resin EEW 190) or with solid resin dispersion.
Q-RIT 1075	40	15000-35000	415	90 (a) 120 (b)	Aqueous amine-adduct without cosolvent for metal and concrete coatings. Excellent water and salt spray resistance. Fast physical drying, full cure after 2-3 days. Low colour and high UV-resistance with good gloss retention. Use with liquid epoxy (phr 220, resin EEW 190) or with solid resin emulsion.
RD-0205WH	70	Typically 10000	180	60 (a) ≥ 6 hours (b)	Amine-adduct, 70% solids in propylene glycol n-butyl ether. For waterborne dispersions. Can emulsify epoxy resins. Highly pseudoplastic. Can be charged with zinc in the formulation of zinc rich primers. Use with liquid epoxy (phr 100, resin EEW 190) or solid resin dispersion.

(a) with liquid resin (EEW 190), 100 g mix, measured @23°C

(b) with solid resin dispersion (EEW 450-560 on 100% solid), 100 g mix, measured @23°C