

HUNTSMAN

Enriching lives through innovation

Advanced Materials

Waterborne systems



Environmental friendly coating solutions

Hardeners • Aradur®

Product Range	Characteristics	Viscosity 25°C [mPa s]	Amine value [mg KOH/g]	Solids content [%]	H+ active equiv. [g/Eq]	Gel time ¹⁾ [min]	Colour (Gardner)	Applications
Aradur® 36	Polyamine adduct in water	4 000-7 000	185-225	79-81	~ 165	~ 150	≤ 6	CE, IM, MC
Aradur® 39	Polyamine adduct in water	12 000-20 000	120-140	49-51	~ 335	120-240	≤ 5	CE, IM, MC
Aradur® 340	Polyamidoamine adduct in water	18 000-23 000	155-175	49-51	~ 210	120-180	≤ 12	CE, IM, MC
Aradur® 435	Polyamidoamine adduct in water	13 000-23 000	160-200	49-51	~ 250	90-120	≤ 10	CE, IM, MC
Aradur® 3985	Polyamine adduct in water	1 000-6 000	170-210	54-56	~ 265	60	≤ 6	CE, IM, MC
Aradur® 3985 S	Polyamine adduct in water	3 000-8 000	200-250	54-56	~ 210	30	≤ 6	CE, IM, MC
Aradur® 3986	Polyamine adduct in water	15 000-35 000	90-110	39-41	~ 415	180	≤ 6	IM

¹⁾ The gel times for waterborne hardeners have been measured with Araldite® GY 776

Resins • Araldite®

Product Range	Characteristics	Viscosity 25°C [mPa s]	Epoxy index [Eq/kg]	Epoxy equiv. [g/Eq]	Solids content [%]	Colour (Gardner)	Applications
Araldite® PY 340-2	Dispersible in water, non-crystallizing BPA/F resin	6 000-8 000	5.50-5.80	172-182	100	≤ 3	CE, IM, MC
Araldite® PZ 323	Aqueous dispersion of polyfunctional EPN resin	slightly thixotropic	4.00-4.50	222-250	75-78	white	CE, IM, MC
Araldite® PZ 756/67	Aqueous dispersion of liquid BPA/F resin	~ 270 at 25°C, thixotropic	~ 3.55	~ 282	66-68	white	CE, IM, MC
Araldite® PZ 3961	Aqueous dispersion of BPA type 1 resin	400-750 at 23°C	0.96-1.08	925-1048	51-55	white	CE, IM, MC

Applications legend

CE: Civil Engineering / IM: Industrial Maintenance / MC: Marine Coatings

Safety and handling precautions

The Material Safety Data Sheet (MSDS) should be consulted prior to handling any of here listed products.

Nomenclature

Neither waterborne resins nor hardeners have a special "solvent" code for water nor the solid content indicated by a figure.

Examples: Araldite® PZ 323 CH and Aradur® 3985 BD

Exception is the emulsion Araldite® PZ 756/67 which is historically given (67% solids content).

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