

Product Data Sheet

NeoRez[®] R-2005

NeoRez[®] R-2005 is a solvent-free urethane dispersion for use in combination with acrylic emulsions. The polymer is free from NMP, APEO, Heavy metal (like tin), plasticizer and TEA, it is also suitable for 2-component clear systems.

Product characteristics

- Type - Anionic polyurethane dispersion
 Freeze/thaw stability - Stable
 Neutralizing agent - 2-dimethylamino-ethanol

Film properties

- Hard, chemical and abrasion resistant
- Elongation 160%, König hardness 150 sec.
- Adhesion to many substrates
- Humidity resistant

Recommendations on formulation and use

- Wood and parquet lacquers
- Metal and plastic coatings
- Wear resistant floor polishes
- Laminating adhesives

Formulating guidelines

- NeoRez[®] R-2005 is compatible with a wide range of acrylic emulsions
- See our guide formulations for specific information

Delivery form: 35 % solids in water.

Product specifications

Property	Range	Unit	GAP
Appearance	white, translucent liquid		0059
Total solids w/w	34.0 - 36.0	%	0001
pH	7.5 - 8.5		0016
Visc. Brookfield 25°C	50 - 500	mPa.s	0020

Other product data

Property	Value	Unit	GAP
Density 20 °C	± 1.0	kg/l	0006
Free monomer	Max. 150	ppm	0118
Neutralizing agent 2-dimethylamino-ethanol	± 1.1	%	
VOC (theoretical)	± 1.18	%	
Preservative(s):			
BIT (casno. 2634-33-5)	0.024	%	0222
CMIT/MIT (3:1) (casno. 55965-84-9)	0.0014	%	0222

Test methods

Test methods (GAP) referred to in the table(s) are available on request.

Storage guidelines

The resin should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature between 5 - 40 °C. Exposure to direct sunlight should be avoided.

Shelf life

Under above mentioned storage conditions, the shelf life of the resin will be 12 months ex work.

Material safety

A Material Safety Data Sheet for this product is available on request.