

Product Information

Bisley Polyaspartic Resins

Product Description:

Bisley polyaspartic resins are low viscosity polyaspartic esters. Polyaspartic resins have low VOCs and a high resistance to solvents, bases and acids. They have excellent hardness, adhesion, mechanical strength, durability, UV resistance and a wider application temperature range compared to epoxy. Polyaspartic resins are compatible with many polyisocyanate curing agents.

Properties	Epoxy	Polyaspartic
Smell	Yes	No
Curing	Slow	Fast
Impact resistance	Low	High
UV resistance	Low	High
Flexibility	Low	High
Application time	Long	Short
Humidity tolerance	Low	High
Application temperature	> 10 °C	> -20 °C
Surface lubricity	Low	High
Outdoor suitability	Not suitable	Suitable

Applications:

Bisley polyaspartic resins can be used for indoor and outdoor coatings of concrete and other inorganic materials, swimming pools, furniture, roofs, pipe coatings and much more.

Specifications:

Parameters (units)	Specifications			
Grades	14	15	151	285
Solid (%)	95 - 100	95 - 100	86 - 90	95 - 100
Viscosity, Brookfield at 25 °C (cP)	700 - 1800	700 - 2000	100 - 250	60 - 140
Amine content (mg KOH/g)	195 - 205	185 - 195	164 - 178	170 - 210
Amine hydrogen equivalent weight, approx. (g/mol)	276	290	326	290
Density, at 20 °C	1.06 - 1.08	1.05 - 1.07	1.01 - 1.05	1.00 - 1.10
Color (Gardner)	≤ 1	≤ 1	≤ 1	≤ 1
Flash point (°C)	> 97	> 74	> 52	> 97
Solvent	No	No	Butyl acetate	No

*% denoted represents wt/wt %, unless noted otherwise

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bisleyinternational.com

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Packaging:

Material is available in drums, IBCS and bulk. Further packaging options may be available upon enquiry.

Storage:

Product should be stored in a dry place at a temperature between 5- 30 °C away from direct sunlight in sealed, original packaging. Shelf life is 1 year.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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