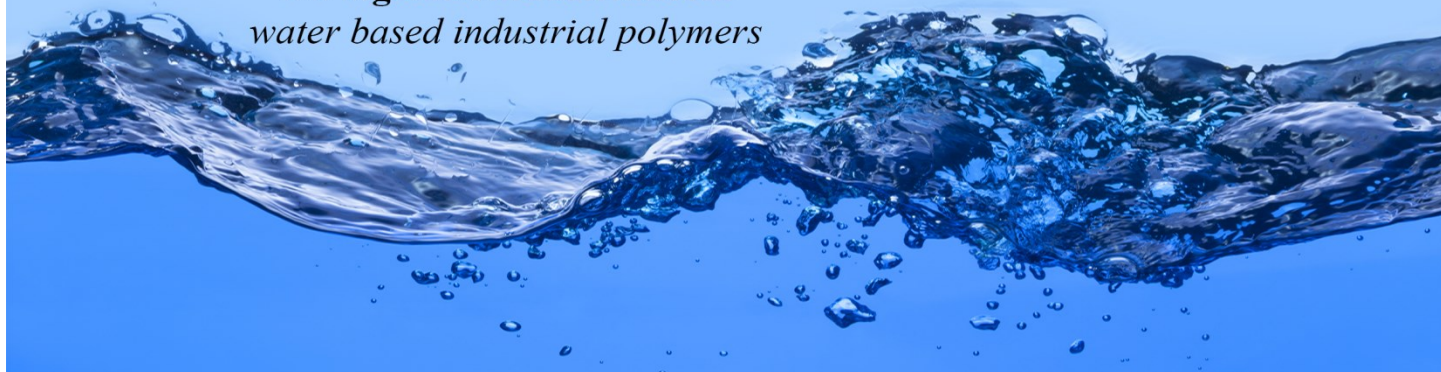




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water based industrial polymers



Ottopol SF-45 Technical Data Sheet

Product Specifications

Description -----	Anionic Acrylic Emulsion	Appearance-----	Translucent Emulsion
Solids-----	44.0 - 46.0%	Specific Gravity -----	1.06165
pH-----	7.5 – 8.5	Weight/Gallon -----	8.85
Viscosity-----	100 cps Max	Freeze Thaw Stability -----	Keep from Freezing
Flash Point-----	Same as Water	FDA Status-----	None
MFFT-----	40 Degrees C	USDA Status-----	None
Glass Transition Temperature -----	39 Degrees C		

Self Cross Linking Acrylic Polymer Emulsion

Ottopol SF-45 is a unique acrylic polymer that results in a high density cross linked polymer upon drying at room temperature. Many Coatings can be derived from this polymer where solvent resistance is required.

Coatings for Wood or Wooden Furniture

Furniture Coating Starting Formula #600-196-1

Ottopol SF-45-----	92.2
Texanol-----	2.6
Dowanol PPH-----	<u>5.2</u>
	100.0

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 Dow

Resistance Chart from Formula #600-196-1 after air dried for two weeks

The number system for resistance to the test substances is as follows:

- 1= Perfect, no noticeable change in film integrity
- 8= Pass with some film blemish, coating still intact
- 10= Fail, Film distorted

Test Substance	Exposure Time	Acceptable Value	Recorded Value
Acetic Acid 3%	1 hour	1	1
Acetone	10 Sec	8	8-9
Ammonia 23%	2 min	1	1
Beer	6 hours	1	1
Benzene	2 min	1	4
Black Berry Juice	16 hours	1	1
Black Tea	16 hours	1	1
Butter	16 hours	1	1
Citric Acid 10%	1 hour	1	1
Cola	16 hours	1	1
Condensed Milk	16 hour	1	1
Detergent Solution	16 hours	1	1
Disinfectant	10 min	1	1
Ethyl/Butyl Acetate 1:1	10 Sec	4	4
Ethanol 48%	1 hour	1	1
Instant Coffee	16 hours	1	1
Mustard	6 hours	1	1
Olive Oil	16 hours	1	1
Onion	6 hours	1	1
Sodium Bicarbonate 10%	2 min	1	1
Sodium Chloride Solution 5%	6 hour	1	1
Stamping Ink	16 hours	6	6
Water	16 hours	1	1
White/ Red Wine	6 hours	1	1

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