Joncryl® 1522

Key Features & Benefits

- ***Exterior metal protection***
- ***Ease of formulation***
- ***Salt spray resistant***
- ***Good weatherability***

PRELIMINARY DATA SHEET

ACRYLIC LATEX POLYMER FOR HIGH GLOSS, CORROSION RESISTANT COATINGS

General Information

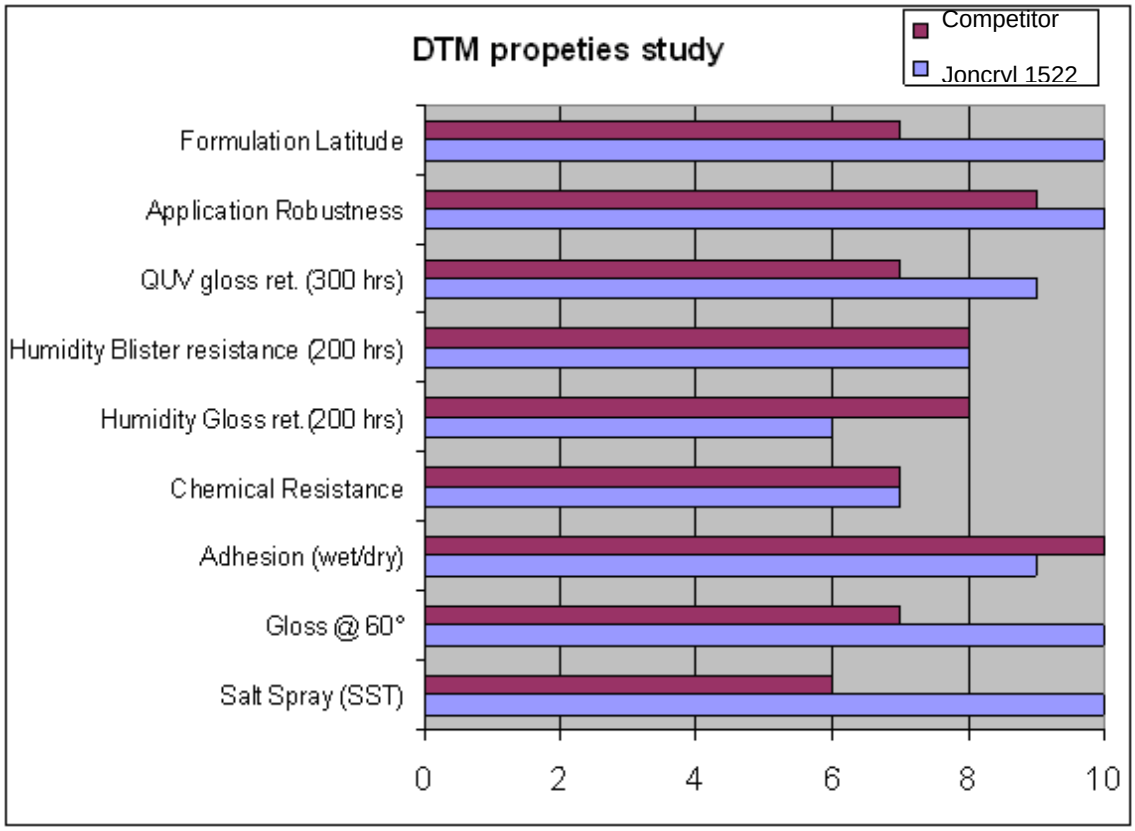
Typical Physical Characteristics

Appearance	Translucent emulsion
pH	> 8.0
Solids, % by weight	45.1
Viscosity, cps	400 - 900
Tg, °C	33.9
Minimum Film Forming Temperature, °C	26
Density as supplied (lbs/gal)	8.81
Freeze/Thaw Stable	N/A

These typical values should not be interpreted as specifications.

Joncryl® 1522 is an emulsion for direct metal applications. It has excellent corrosion resistance without the use of anti-corrosive pigments as determined by Salt Spray Resistance ASTM B 117. This emulsion offers exterior durability, is compatible with anti-corrosive pigments, and can be formulated between 250 - 100 g/l VOC.

Designed for OEM industrial direct-to-metal applications, **Joncryl 1522** exhibits an excellent balance of appearance and performance related properties as shown in the data table below.



<u>Results of Joncryl 1522 vs. Competition</u>:

- Comparable chemical resistance
- Excellent QUV gloss retention at 300 hrs
- Excellent corrosion resistance over cold rolled steel (CRS)
- Very robust formulation capabilities

STARTING POINT FORMULATION
FORMULA SEH-0183D

	POUNDS	GALLONS
Water	76.30	9.16
Disperbyk® 190	16.82	1.9
Ti-Pure® R-900	162.96	4.85
Hi-Mar® DFC-108	2.13	0.30
Grind for 30 minutes at 3400 RPM or to Hegman grind of 7. Then add:		
Joncryl® 1522	584.98	66.4
Surfynol® 104H	5.07	0.64
Premix:		
Water	37.98	4.56
Dowanol® EB	34.34	4.56
Dowanol® DB	18.02	2.27
THEN ADD:		
Propylene Glycol	13.42	1.56
Texanol®	18.07	2.29
Hi-Mar® DFC-108	2.13	0.30
Flash® X-150	6.46	0.70
BYK® 348	4.51	0.51
Total	983.19	100.00

FORMULATION ATTRIBUTES:

Solids, % by weight	45.57
Solids, % by volume	37.36
VOC calculated: g/l	< 240
PVC, % by volume	12.98
Viscosity, Ku	56

SUPPLIER INFORMATION:

Product	Description	Supplier
Joncryl® 1522*	Acrylic emulsion	BASF Corporation
Disperbyk® 190*	Dispersant	BYK Chemie
Hi-Mar® DFC-108*	Defoamer	Hi-Mar Specialty Chemicals
Surfynol® 104H*	Surfactant	Air Products and Chemicals
Ti-Pure® R-900*	Pigment	DuPont
Propylene Glycol	Coalescent	Various
Dowanol® EB*	Coalescent	Dow Chemical
Dowanol® DB*	Coalescent	Dow Chemical
Texanol®*	Coalescent	Eastman Chemical
Flash® X-150*	Flash rust inhibitor	Halox
BYK® 348*	Surfactant	BYK Chemie

* These trademarks are owned by the suppliers listed above.

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