

DYFLEX[®] LP 9624

Starting Formulation

DYFLEX[®] LP 9624 is an acrylic copolymer emulsion to be used for water-based paints on metal, MDF and plastic. It is used as a binder for metal finishes, anticorrosive primers, brushable paints, primers for MDF and plastic coatings.

PROPERTIES

- Excellent adhesion to metal
- Excellent water resistance
- Excellent hardness
- Excellent block resistance
- Excellent compatibility with anticorrosive pigments
- Good exterior durability

Specifications

Weight Solids	42 ± 1%
Viscosity, 23 °C [mPa·s] (Brookfield, Spindle 2)	< 250
pH	7.4 – 8.4

Typical Properties

MFFT	+ 46° C
Density @ 20 °C [kg/m ³]	1037

DYFLEX[®] LP 9624 should be stored in a closed container at a dry place at storage temperatures between 5 °C and 30 °C. Under the above-mentioned storage condition, the stability will be 12 months.

Questions? Call EPS Customer Service @ +31 78 683 3250 / Email: info.nl@eps-materials.com

1/21/2022

TECHNICAL SUPPORT: These guidelines are offered to assist the paint formulator in achieving the high performance properties noted and are offered for illustration purposes only; the paint formulator bears sole responsibility for the performance of the final coating product.

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Formula: DYFLEX DJ2-077-B1
WHITE METAL PRIMER PVC: 22

Temporary

<u>Weight %</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
12.00	Water		
0.30	Surfynol 104A	Evonik	Add in order with good agitation in mill base tank .
0.20	AMP 90	ANGUS	
1.00	Disperbyk 2080	BYK	
0.30	Tego Foamex 810	Evonik	Add in order slowly while mixing
10.00	Kronos 2190	KRONOS	
8.00	Finntalc M 15	Elementis	
6.00	Omyacarb 5	Omya	
5.50	Heucophos ZCP PLUS	Heubach	
0.50	Demi-water		Rinse / clean tank walls with water
0.20	Aquaflow NHS 300	Ashland	Disperse on high speed for 15 – 20 min
0.20	Mergal K20N	TROY	Add while mixing
2.00	Dowanol DPnB	DOW	
45.00	DYFLEX®LP 9624	EPS	Charge DYFLEX®LP9624 in let-down tank. Add mill base to let-down tank, while mixing. Mix till homogeneous
1.75	water		<u>Premix separately in small tank.</u>
1.50	Texanol		Add slowly while mixing.
1.50	Butyl Glycol	Intergrated Chem.	
0.05	Ammonia 18 %		
0.30	Ascotran H10	Ascotec	Add in order slowly while mixing.
0.60	Tegofomex 822		
0.30	Aquaflow NHS-300E	Ashland	
0.20	Aquaflow XLS-525E	Ashland	
0.00	Water		
2.50	Asconium 142 DA	Ascotec	<u>Premix separately in small tank.</u>
0.10	MDEA or DMEA	Sigma Aldrich	Add slowly while mixing
100.00			

Formulation Parameters

Weight Solids	[%]	± 50.4
Volume Solids	[%]	± 36.1
Pigment Volume Conc.		± 34.9
VOC Level	[grams/liter]	±180
Density	[kg/m ³]	± 1270

Typical Properties

pH	[-]	8.0 - 9.0
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Suggested Application Methods: Brush, Spray

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