
STANCHEM NP 4529

DESCRIPTION:

StanChem NP 4529 is an all acrylic copolymer latex that provides excellent adhesion and flexibility to a variety of industrial coatings, sealants and adhesives. With its low glass transition temperature, NP 4529 is particularly suited for flexible wall and roof coatings requiring good dirt pick up resistance.

PRODUCT DATA: Typical Physical Properties:

Type:	Acrylic Polymer Emulsion
Solids by weight:	55.0 – 56.0%
Viscosity @ 25°C: Brookfield RVT 3 @ 60 Rpm	<1000 cps
pH @ 25° C:	7.0 - 8.0
Weight/gallon:	8.6+/- 0.1 lbs.
Tg° C: (DSC)	- 33

Storage: NP 4529 is stable for at least 12 months from manufacturing date when stored at +5C to +40C in appropriate containers.

WARRANTY:

Seller warrants that its product will meet the specifications which it sets for them. Seller's responsibility under this warranty will be limited solely to replacing the products which prove defective, provided that the Buyer gives Seller prompt notice in writing of said defect. Products may be returned to Seller only after written authorization has been obtained from Seller. The foregoing warranty is in lieu of all other warranties, whether oral, written, express, implied or statutory. IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WILL NOT APPLY. Technical or other advice is furnished by us solely as an accommodation and shall not increase the scope of our responsibilities or liability. Seller's warranty obligations and Buyer's remedies hereunder are solely and exclusively as stated herein: In no event will Seller be liable either for the labor and other associated costs incurred in replacing the product, including, but not limited to, its removal and application, or for other incidental or consequential damages.

Elastomeric Coating Starting Point Formulation

Components

<u>Grind</u>	Deionized Water	.....	95.10
	Tamol 901	.....	3.62
	Propylene Glycol	.....	5.43
	Defoamer 677	.....	2.26
	KTPP	.....	0.91
	Calcium Carbonate	.....	271.71
	Titanium Dioxide	.....	45.29
	Zinc Oxide	.....	27.17
<u>Letdown</u>	Latex NP 4529-1	.....	507.20
	Defoamer 677	.....	1.81
	DPNB	.....	5.43
	Ammonium hydroxide	.....	1.81
	Natrosol 250 MXR	.....	3.62
	Propylene Glycol	.....	8.15
	Water	.....	20.03
	Mergal BIT 20W	.....	0.45
<u>Properties</u>	Weight % Solids	.....	63.5%
	Volume % Solids	.....	52.6%
	PVC	.....	30.9%

Film Properties

	<u>NP 4529-1</u>		<u>Competitive Latex</u>
Tensile Strength at 100% elongation	..... 309 psi	.....	264 psi
Max Elongation 307%	283%
Impact resistance, at -15°C 160 /160	160/160
Mandrel Bend, at -15°C pass	pass

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