

Xyntra®

Xynpol SA513L

Water based flexible styrene/ acrylic ester dispersion



Product Summary

Xynpol SA513L is a fine particle size, surfactant stabilised dispersion.

Xynpol SA513L is particularly recommended for the manufacture of flexible exterior coatings.

Properties and Applications

Xynpol SA513L has a high degree of water resistance and flexibility and is recommended for use in elastomeric wall coatings and roofing compounds.

Paints produced from Xynpol SA513L have good wet adhesion to masonry substrates.

Although the Minimum Film Forming Temperature of the dispersion is low, film integration can be aided by addition of coalescing solvent.

Xynpol SA513L has compatibility with a wide range of thickeners to adjust the desired viscosity and improve processability.

(pto)

Typical Physical Properties

Solids Content/ % (ISO 3251)	49 - 51
Viscosity at 23°C / mPa.s Brookfield RVT 5/20 (ISO 2555)	4000 - 9000
pH (ISO 976)	7.5 - 9.0

Additional Data

Dispersion

Average Particle Size/nm	Approx. 150
Minimum Film Forming Temperature/ °C (ISO 2115)	0
Density at 20°C/ g/ml (ISO 2811-1)	1.02

Film

Appearance	Almost clear, slightly tacky
Glass Transition Temperature/ °C (ISO 11357-2)	Approx. -6

Properties and Applications (cont.)

Masonry substrates should be well-prepared before application of the finished paint. Friable surfaces can be treated with Xynpol PA300H.

Many commercially available defoamers may be included in order to prevent excessive foaming. Trials must be carried out in order to determine the most suitable grades and the correct concentration.

Health, Safety and Storage

Xynpol SA513L is a non-dangerous product within the meaning of the current REACH Regulation. A Safety Data Sheet is available on request.

To prevent attack by micro-organisms, the preservatives normally used for polymer emulsions should be added on formulating or diluting despite our preliminary preservation measures. Checks should be carried out to determine their compatibility and efficacy.

Xynpol SA513L should be stored in the original and unopened containers for no longer than 6 months before processing.

As far as possible, storage should be at a uniform temperature between 5 and 35°C. The product should be kept away from frost.

The technical data ascertained by our quality control laboratory at the time of product release may vary according to the storage time and conditions and may deviate from the stated limits.



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Kimya Exir ARISA

Supplier of Raw Material in Paint, Coating, Construction and Plastic

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info@arisaco.ir		۰۲۱۲۶۴۲۱۶۶۵	۰۲۱۲۶۴۲۱۶۹۹	
www.arisaco.ir			۰۹۰۲۸۲۷۴۸۵۷	

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