

Xyntra®

Xynpol PA300H

Water based hydrosol, pure acrylic dispersion



Product Summary

Xynpol PA300H is an ultra-fine particle size, pure acrylic dispersion. Xynpol PA300H is particularly recommended for use as a penetrating primer for use on porous and friable substrates.

Xynpol PA300H is designed for use in exterior construction applications and interior sealing of plasters prior to painting.

Properties and Applications

Xynpol PA300H is a hydrosol dispersion with an ultra-fine particle size.

Xynpol PA300H is designed as a base for a penetrative primer for porous or friable exterior concrete surfaces, where it binds to form a sound substrate suitable for over-painting.

Xynpol PA300H is a flexible, pure acrylic conferring excellent exterior durability. It can be recommended as part of a high performance exterior coating system for use for example in crack bridging, certified anti-carbonation coatings and acrylic roofing compounds.

It is also very suitable for priming masonry and plaster substrates in interior applications, where it reduces suction, coating and colour variability, particularly when coalescent free paints are over-coated. It is particularly recommended for the priming of plasterboard.

(pto)

Typical Physical Properties

Solids Content/ % (ISO 3251)	29 - 31
Viscosity at 23°C / mPa.s Brookfield RVT 1/20 (ISO 2555)	20 - 100
pH (ISO 976)	7.0 - 9.0

Additional Data

Dispersion

Average Particle Size/nm	Approx. 50
Minimum Film Forming Temperature/ °C (ISO 2115)	2
Density at 20°C/ g/ml (ISO 2811-1)	1.04

Film

Appearance	Slightly opaque, textured and tack-free
Glass Transition Temperature/ °C (ISO 11357-2)	Approx. 3

Properties and Applications (cont.)

The design of the particle size distribution of the polymer system confers excellent penetration, whilst minimising foaming tendency. The dispersion then binds the substrate, consolidating and reducing chalking.

Formulating Xynpol PA300H into a basic sealer formulation is a straightforward procedure: The product is diluted 1:1 with water in order to achieve the correct viscosity, substrate wetting and penetration properties. It is also necessary to add a suitable in-can biocide.

The formulation does not require the addition of coalescing solvent, nor additional wetting agent.

Health, Safety and Storage

Xynpol PA300H 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 dispersions should be added on formulating or diluting despite our preliminary preservation measures. Checks should be carried out to determine their compatibility and efficacy.

Xynpol PA300H 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.

کیمیا اکسیر آریسا

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