

Luhydran™ S 938 ap

General

Luhydran™ S 938 ap is a special OH functional acrylic dispersion for both 1k baking application with amino resins and for 2K polyurethane coatings.

Key features & benefits

crosslinkable with isocyanates or amino resin

high hardness, high anti-scratch

excellent chemical resistance

fast drying & good block resistance

resistant to hydrolysis

suitable 2k satin/matt pigmented WB PU

Chemical nature

OH functional acrylic dispersion

Properties

Appearance

Milky white liquid

Typical characteristics

(should not be interpreted as specifications)

non-volatile components (140 °C, 30 min)	45 %
viscosity at 23 °C (Brookfield LV 1#, 60rpm)	25 mPa·s
pH value	2.0
minimum film-forming temperature (MFFT)	60 °C
OH value	100 mg KOH/g
density	1.060 g/mL
freeze/thaw stable (-18 °C)	yes

Application

Luhydran™ S 938 ap can be used as binder for acid curable or heat curable formulations in combination with amino resins like Luwipal® 073 LF or Luwipal® 066 LF for furniture foil applications.

Luhydran™ S 938 ap can also be used as binder for general two component PU formulations in combination with polyisocyanates like Basonat® HW 1000 or Basonat® HW 2100.

Formulation guideline

Luhydran™ S 938 ap is not neutralized, therefore it is necessary to adjust the pH value with a suitable amine. Using only ammonia is not recommended as it will lead to a pH drift over the first days. Luhadran™ S 938 ap is a very shear-force stable dispersion therefore pigmented coatings can be milled in ball mills or other grinding equipment.

Luhydran™ S 938 ap has a film-forming temperature of over 60 °C, therefore using a coalescent is essential. The MFFT can be reduced by adding the usual co-solvents or amino resins.

Storage

The product should be kept more than 0°C with sealed package. Must prevent from frost in a long term.

For further detailed application information please contact our Technical Support Department.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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