Acronal® PRO 761

General	Acronal® PRO 761 is an APEO-free self-crosslinking emulsion for light to medium-duty anti-corrosion primers and industrial metal applications.
Key features & benefits	excellent corrosion resistance good adhesion good compatibility with anti-corrosion pigments good sandability APEO-free, ecological
Chemical nature	styrene acrylic dispersion

Properties

Appearance	milky white liquid

Typical characteristics
(should not be interpreted as specifications)

Solids by weight	50%
viscosity at 23 °C	325 mPa·s
pH value	9.3
density at 25 °C	1.04 g/mL
MFFT	22°C
freeze/thaw-stable (-5°C)	Not stable

Application

Acronal® PRO 761 is an excellent anti-corrosion vehicle for light to medium-duty industrial applications (ISO 12944-2 C2-C3) where good adhesion is required.

Acronal® PRO 761 is an APEO-free alternative for Acronal® PRO 760. This product can be used to formulate water-based anti-corrosion coatings on difficult substrates like zinc or aluminum.

Performance

Acronal® PRO 761 provides anti-corrosion properties with protection times up to 300 hours, salt spray and excellent adhesion at 80µm dry film thickness.

Formulation guidelines

Acronal® PRO 761 is compatible with a variety of anti-corrosion additives. The product provides the possibility to formulate with a range of reactive anti-corrosion pigments, especially those based on zinc phosphates.

The minimum film-forming temperature of Acronal® PRO 761 is approximately 22°C. Suitable film-forming agents should generally be added to achieve homogeneous films at lower temperatures. The recommended addition is 2%~4% of a blend of white spirit and 2-butoxyl ethanol and/or 2-(2-butoxyethoxy) ethanol or phenoxy propanol or DPnB.

Viscosity and flow can be adjusted by adding thickeners, preferably in the final stage of production. In particular from the corrosion-protection aspect, associative thickeners such as Rheovis® PU 1291 are time-tested. Good leveling and Newtonian flow can be achieved with water-miscible solvents present. In aqueous anti-corrosion formulations, the proportion of thickener should not exceed 1%, calculated as solids on solid binder.

Storage

This product has to be stored in tightly sealed original packaging at temperatures above 0°C. This product must be protected from frost for a long time.

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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