

Acronal[®] A 754

Polymer Dispersions for Construction

Chemical nature

Acronal[®] A 754 is used as binder for high-performance transparent and filled construction adhesives. Acronal[®] A 754 is an aqueous dispersion of an anionic straight acrylic copolymer. (Acronal[®] A 754 is manufactured without the use of formaldehyde, ammonia, or APEO).

Properties

Physical form

Liquid, dispersion

Technical data

(not supply specification)

Solids content	DIN EN ISO 3251	~ 48 %
pH value	DIN ISO 976	7.5 – 8.5
Viscosity	DIN EN ISO 3219 (23 °C, 100 1/s)	200 – 900 mPa·s
Glass temperature	DIN EN ISO 11357	~ 17°C

Application

Areas of application

The transparent construction adhesives produced with Acronal® A 754 are highly transparent with neutral own color after drying. In filled systems, high initial tack and very high final strength can be achieved. Acronal® A 754 shows good adhesion on a variety of substrates and has a tack-free surface after hardening.

Processing

Acronal® A 754 has a relatively high glass temperature. The film formation can therefore still be supported using film forming agents. The addition of silane, low Tg polymers (e.g. Acronal A 280) or acrylate resins (e.g. Acronal® 3500) in the formulation can further improve permanent adhesion to glass-like or polymeric surfaces.

If no suitable mixing device with vacuum is available, commercially available defoamers (e.g. FoamStar® PB 2706) can be used. In general, an addition of 0.05 - 0.2 % defoamer based on total is sufficient. The suitability of all aforementioned additives must be clarified by means of own tests.

Storage

Although Acronal® A 754 is protected against attack by microorganisms, preservatives should be added to the construction adhesives produced from it in order to protect them even during a longer storage period and thus to ensure consistent quality. The amount required must be determined in tests. The influence of the applied preservative system on the labelling of the final product must be considered.

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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