

# Ecronova® KDA 790

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**BRAND FAMILY OVERVIEW** Ecronova® KDA styrene-acrylic polymer dispersions are ideally suited for architectural coatings on fresh construction materials as well as refurbished building surfaces. Specific grades are designed for paint, primer, and sealer applications. These versatile polymers feature high filler loading tolerance, exceptional penetration into mineral-based substrates, and excellent water and alkali resistance.

**USAGE** This APE free emulsion imparts water vapor permeability, weather-ability and UV light stability and is suitable for low VOC interior paints and silicate exterior paints.

**DESCRIPTION** Water-based styrene-acrylic copolymer emulsion

**PERFORMANCE ATTRIBUTES** This product is used in many applications including the following:

Market	Properties Imparted
Building Paints	water resistance, weatherability

**PHYSICAL PROPERTIES** The following properties are typical but should not be considered specifications:

Appearance:	white liquid
Solids Type:	Styrene/Acrylic copolymer
Emulsifier Charge:	Anionic
Minimum Film Forming Temperature (degrees Celsius) :	0
Non-Volatile (%) :	49.0 - 51.0
pH:	7.0 - 9.0
Brookfield Viscosity (cps) :	50 - 800
Spindle Number:	2
RPM:	20
Shelf Life (months) :	The product has a shelf life of 12 months from date of manufacture when storage and handling instructions are followed.

**SITE OF MANUFACTURE (and PRODUCT CODE)** Recklinghausen (ECKD790.R)

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**APPLICATION DATA** This emulsion is compatible with most common additives, pigments and pigment preparations and can be combined with other emulsions. Due to the variety of products in the market, compatibility and storage stability have to be tested from case to case. Polyurethane thickeners are highly recommended but most commercial thickeners can be used. Due to the low minimum film forming temperature of this emulsion it is not mandatory to add coalescing agents. For application properties of the final product it might be helpful to add co-solvents like butyl glycol, butyl diglycol, Texanol or glycoether. For Storage and Safety information see Material Safety Data Sheet.

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**STORAGE** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

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**HANDLING** Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

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The following information for this product, specific to each site of manufacture, is available upon request:

- Material Safety Data Sheets in various formats and languages (includes global chemical inventory listing)
- Food Contact Declaration of Compliance (if applicable)

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