



AQUAFIX-50

MEDIUM ADHESIVE

Description	AQUAFIX-50 is a water-based synthetic resin emulsion adhesive used for wet lamination of flexible film laminates in food packaging applications. It is also recommended for use in nonfood applications, where similar films and performance requirements are applicable. This is a formaldehyde-free adhesive and can be applied by conventional gravure cylinder coating technique.	
Key Features	100% aqueous	High bond strength
Typical Application	AQUAFIX-50 is primarily recommended for Paper to Pet and Paper to Foil laminate by wet lamination process.	

	Property	Value
Typical Physical Properties	Colour & Appearance	Milky white emulsion
	pH	5.5 - 7.5
	Viscosity at 30°C (Seconds; Ford Cup; B-4)	18 – 22
	Solids (%) at 105°C / 3 hrs.	50 ± 2
	Film appearance (dry)	Slight hazy to clear
	Shelf life (25°C)	6 months (sealed container)
	Freeze/thaw stability	Protect from freezing
	Specific gravity at 30°C	0.99 - 1.10

	Parameter	Description
Recommended Operating Conditions	Application method	Gravure
	Adhesive coating GSM (dry)	2.5 – 3.5
	Curing temperature	Ambient / Hot room
	Hardener 'AQUAFIX 100	1%

Recommended Operating Guidelines	Laminated finish substrates are suggested to be cured at ambient temperature / hot room temperature (50°C) for at least 24 hours
Mixing Guidelines	Mixed with 1% water dispersible hardener 'AQUAFIX 100' and mixed uniformly. If required adjust viscosity by using DM water in above lamination adhesive solution. It is recommended that adhesive be mixed well prior to use to help ensure product uniformity
Clean-up Guidelines	Drain the adhesive from the cylinder, pan and reservoir into the container and if required, dispose as per local, state and federal regulations. Do not allow machine wet parts to dry out, immediately rinse with water to remove the bulk of the adhesive residue, followed by further cleaning with IPA / Ethyl Acetate or other solvent to remove any further residue

DISCLAIMER

The information provided in this data sheet is based on our knowledge and experience. There are many variables at laminators end which will influence the performance like the machine running parameters, operational conditions, various structures used and ambient conditions which are beyond our control. We advise our customers to make their own determination of suitability of this product for their application by making trials at their end. As such this information is offered in good faith but we cannot accept any liability.

Please contact our technical team for any further information:

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