

technical data



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

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MOLD WIZ INT-2445B

General: A surface active process aid additive, added directly into an aqueous resin system, that imparts moisture resistance (hydrophobicity) to B-staged resin saturated paper. This **anti-blocking** property eliminates undesirable tackiness commonly developed in humid environments and facilitates easy handling and processing. Treated paper may be conveniently stacked, separated and handled as required.

Use: For water and water/ alcohol-based resin systems including Phenolic/(resole) and Melamine-Formaldehyde.

Composition: Proprietary resin emulsion of polyolefins and organic fatty acids in combination with wetting agents and surfactant in a water vehicle.

TYPICAL PROPERTIES:

EFFECTIVE INGREDIENTS:	47 – 49%
NON-VOLATILES:	47 – 49%
COLOR:	Off White
SPECIFIC GRAVITY:	0.96 @ 25°C
VISCOSITY:	< 150 cps @ 25°C
pH:	6.0 – 9.0
FLASH POINT:	Non Flammable
SHELF LIFE:	Minimum of one year

Application Instructions:

General: For best results, laboratory tests or pre-production trials should determine the optimum addition level. Use 0.5 - 2% process aid additive based on solids of additive to solids of resin solution.

Before this product is used in production, it must be sampled and inspected for emulsion uniformity – it should be free from any particulate matter prior to addition to resin. If present, particles are generally found floating on the surface of the emulsion. In the event that some particulates are observed in the sample, **INT-2445B should be filtered through 100 mesh polyester fabric under gravity (not under pressure)** to remove the particles. The filtered emulsion must be reinspected for a uniform consistency before introduction to resin. If necessary, repeat filtering.

All information given by us about our products is based upon our tests and experience. It is intended for use by persons having technical skill at their own discretion and risk, and we assume no liability in connection with their use.

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