



ASCENT WSR EXCEL - WET STRENGTH RESIN

(PAE Based wet Strength resin) Free from UF

INTRODUCTION:

wet-strength additives comprise a family of products proven to significantly improve the wet strength of paper. WSR additives have been trusted by papermakers for more than 50 years.

ADVANTAGES:

Commercial applications confirm that Ascent wet-strength Excel additives provide a number of value-added benefits:

- Improved wet strength
- Improved retention and drainage
- Enhanced creping control
- Improved dry strength
- Reduced chemical costs
- Improved machine runnability

Today, Ascent Chemicals offers the broadest portfolio of wet-strength resins in the world. We provide Ascent wet-strength additives in a wide range of solids content to ensure the perfect fit for your needs. Our portfolio can help you balance freight costs, shelf life and product stability concerns.

How They Work

Ascent wet-strength Excel additives are water-soluble polymer products. The most commonly used solutions are formulated with polyamide-epichlorohydrin (PAE) resin chemistry and are intended primarily for the consumer market. PAE resins function in neutral/alkaline papermaking processes. They have a high level of wet-strength permanence, help improve machine efficiency and do not adversely affect paper absorbency. Ascent wet-strength Excel work during the curing process, when the functional groups on the WSR polymer react with cellulose fiber to form a covalent bond. The polymer molecules cross-link, forming a network in the cellulose web that provides strength when the paper becomes wet. Ascent wet-strength Excel can also reinforce existing fiber-to-fiber bonds, which further enhance the strength of the paper.

For even greater paper performance, Ascent Dry Strength Resins Can be used with Ascent wet-strength Excel additives. This combination can increase wet and dry tensile performance by as much as 25 percent.

PACKING: 50KG CORBOY / 200 KG HDP BARREL / 1000KG TOTES



Factory Address : SF No:126/A, Thumbivadi, Aravakurichi Taluk,
Karur, TN – 639002
www.ascentchemicals.com sales@ascentchemicals.com
Contact : +9198658 41234, +9198659 34234



TISSUE SOFTENERS

Ascent Sil-1000 Softeners are silicone tissue softener is an emulsion of an organofunctional silicone. It is an excellent candidate to consider as a tissue softener for facial tissue, bathroom tissue and other paper products. It may provide voluminous and silky softness for premium quality tissue with minimum impact on tissue absorbency

- **powerful emollient effect on most types of tissue paper and cellulose substrates**
- **provides optimum balance of luxurious softness and silkiness**
- **minimum impact on tissue absorbency**
- **virtually non-yellowing on tissue paper**
- **can be applied on both virgin and recycled tissue paper**
- **water based, easy to dilute and use contains no organic lotions; based on silicone material**
- **excellent emulsion stability and shear stability in the application bath**
- **no filtration step involved and therefore possible to use continuously in the tissue manufacturing process with virtually no requirement for clean up**
- **highly concentrated; typically economical to use**

Physical Properties :

Property	Unit	Value
Appearance	-	Clear to yellowish
Solid Contents	%	50-75
Viscosity at 25°C	cPs	5,000
pH (1% at 25°C)	-	7-8
Dilutability	-	Dispersible in water

PACKING: 50KG CORBOY / 200 KG HDP BARREL / 1000KG TOTES



Factory Address : SF No:126/A, Thumbivadi, Aravakurichi Taluk,
Karur, TN – 639002
www.ascentchemicals.com sales@ascentchemicals.com
Contact : +9198658 41234, +9198659 34234