



## Product Data

### INDOSTRENGTH D20/C

*Dry Strength Resin*

#### DESCRIPTION:

**INDOSTRENGTH D20/C** is a cationic resin product specifically designed for the paper industry to impart dry strength to a variety of paper grades (including tissue, linerboard and fluting) to enhance properties such as burst, tensile, and flatcrush (Concora).

The performance of **INDOSTRENGTH D20/C**, unlike starch based strength agents, does not level off at higher dosages, thus enabling manufacture of a paper at a much higher level of strength. The product is compatible with modified starches but works well by itself thereby reducing BOD loading of the mill with the reduction or elimination of starch.

**INDOSTRENGTH D20/C** is environmentally friendly and there is no problems encountered with repulping papers added with the product.

Brightness is often improved in the case of white papers, while in colored papers both uniformity and brightness are improved.

#### TYPICAL PROPERTIES:

Appearance	Clear colorless to light yellow viscous liquid
Ionic Type	Cationic
Viscosity (cps at 20°C)	3000 - 5000
Solubility in Water	Infinite
pH as supplied	3.0 – 5.0
Solids content %	20 ± 1.0

#### APPLICATIONS:

**INDOSTRENGTH D20/C** should be added to the stock at a point where good mixing is assured (e.g. machine chest) in order to fully dispersed in the pulp slurry.

**INDOSTRENGTH D20/C** could also be added in the headbox or fan pump to obtain higher freeness.

Dosage depend requirement of strength but recommended 0.5 - 2% per ton dry paper.

#### HANDLING AND TOXICITY:

The product should be stored in a cool dry place. Although the product is essentially non-toxic, proper plant housekeeping procedures should be maintained and intimate contact with the product avoided. When spilled the product can be very slippery.

The product is permitted under 21 CFR 176.110 of the FDA – to be used in the manufacturer of paper and paperboard used in contact with food.

The product can be added neat with no dilution. Dosing point must be determined after considering other additives but typically can be dosed top of chest or at the suction side of the machine chest pump.

#### PACKAGING:

**INDOSTRENGTH D20/C** is packed in a tote bin of 1000 kgs. net or in plastic drums of 200 kilos net.

#### Office / Factory :

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