

# POLYSTER DRY STRENGTH RESIN SPECTRUM RP-740

## APPLICATION

New generation polymeric resin for increasing strength characteristics of various types of paper and boards.

## CHEMISTRY OF ADVANTAGE

- Improves surface smoothness and bulk
- Improves burst factor
- Better gloss
- Improves breaking length, flexibility and folding resistance
- Improves rattling
- Reduces fluff

## CHEMISTRY OF ECONOMICS

- Eliminates the usage of gum, starches to improve strength.
- Reduces the consumption of sizing material like Alum and Rosin.

## TYPICAL PROPERTIES

- Appearance : White Granular Powder.
- Moisture Content : + 2
- Ionic Characteristics : Anionic mild.
- PH of 10% Solution : 5 – 6

## DILUTION PROCEDURE / APPLICATION

It is easy to prepare solution of SPECTRUM RP 740. Following procedure may be adopted for making 15% solution.

### Content Quantity

Water (DMW / Soft Water with low TDS) - 85 kg.  
SPECTRUM RP-740 15 kg.

- Take 70 parts of water of the total recipe, start heating, bring temp. close to boiling.
- Slowly add R-PSF-740. It should spread in 20-30 mins after temp. reaches 90°C. This ensures easy solubilization.

- Do not add the powder all together.
- Heat for 30-60 min. further to dissolve completely.
- Water which evaporated during heating should be replaced by adding equivalent amount of water.
- Add balance quantity of water and mix for 20-30 mins.
- Cool to room temperature while stirring.

**POINT OF ADDITION REFINING CHEST, PRIOR TO REFINING CHEST OR SPRAY ON WET END ALONGWITH STARCH**

**Working pH 5 – 8**

**Dosage 5 to 10 Kg / Ton of paper**

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