



DSR-PDS-NA-Hercobond 2000

## Hercobond™ 2000 dry strength resin

### Product Description

Hercobond™ 2000 dry strength resin functions under both alkaline and acid papermaking conditions and can provide improvements in internal bond (ZDT, Scott Bond, and Plybond), and dry tensile. Hercobond 2000 applications range from tissue/towel grades to heavyweight food and beverage board grades. The product is a liquid and can be easily diluted prior to addition to the stock system.

### Product Applications

**Acid Grades:** Hercobond 2000 is effective under acid stock conditions (pH 4 to 6) and requires alum for adequate retention. Significant dry strength increases should be achievable at 2 to 4 lbs/T of Hercobond 2000 resin and alum furnishes of 20-30 lbs/T in stock systems in the pH 4.0 to 5.0 range.

Low-molecular-weight resins, such as Reten™ 201, Reten 203, and Reten 204LS retention aids all improve retention of Hercobond 2000 and can significantly reduce the alum levels otherwise required. Alum levels of only 10 to 15 lbs/T may be adequate in these systems. At these lower alum furnishes, stock pH conditions in the 5.0 to 6.0 range are possible while maintaining retention of Hercobond 2000 resin.

**Neutral / Alkaline Grades:** Hercobond 2000 is also effective under neutral and alkaline papermaking conditions where little or no alum is used. Addition of either a low-molecular-weight, cationic donor resin or cationic wet strength resin is usually adequate to retain Hercobond 2000.

### Materials of Construction

Fiberglass and stainless steel can be used for bulk storage of Hercobond 2000. Ask your Solenis representative for more information.

### Packaging

This product is available in a variety of packaging sizes. Your Solenis representative will recommend the appropriate packaging for the application.

### Important Information

**Typical Properties:** Refer to the Safety Data Sheet (SDS).

**Regulatory Information:** Refer to the SDS or contact your sales representative for any additional regulatory and environmental information.

**Safety:** Solenis maintains an SDS for all of its products. Use the health and safety information contained in the SDS to develop appropriate product handling procedures to protect your employees and customers.

Our SDS should be read and understood by all of your supervisory personnel and employees before using Solenis products in your facilities.