



## Technical Data Sheet

### **DRYCRYL™ DP-2903**

Acrylic redispersible polymer

#### **Description**

DRYCRYL™ DP-2903 acrylic dry polymer is a 100% acrylic, redispersible powder designed to improve the performance of Portland cement mortars. Incorporating this powder allows compounders to attain the dramatic improvements in adhesion, abrasion resistance, flexural strength and exterior durability that are associated with acrylics. DRYCRYL™ DP-2903 is supplied as a powder that can be blended directly with aggregate cement and other formulation aids to form convenient and cost-effective “one-pack” systems. One-component systems reduce environmental waste (use containers) and lower shipping and packing costs.

#### **Applications**

- Used in cementitious applications

#### **Benefits**

- Excellent mechanical strengths and adhesion
- Excellent exterior performance, wet and dry
- Low water demand with good workability
- Excellent thin section toughness and adhesion
- Exceptional resistance to UV degradation
- Excellent storage stability
- Lower shipping costs
- Wide formulating latitude: compatible with commonly used additives
- No admixture container disposal costs

#### **Physical Properties**

Appearance	Free-flowing, white powder
Solids (Wt. %)	97.0
pH	8.0
Density, g/mL	0.400
Tg, °C (Calculated)	10

These properties are typical but should not be considered specifications. For detailed specification rates please consult the product Certificate of Analysis.

## Health & Safety Considerations

Safety Data Sheets (SDS) is available from The Dow Chemical Company. SDS is provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS is updated regularly, therefore, please request and review the most current SDS before handling or using any product. For further questions consult your Dow contact person.

## Handling & Storage

DRYCRYL™ DP-2903 should be stored at room temperature in the original container. Keep away from heat and sources of ignition. Local legislation on storage must be followed.

DRYCRYL™ DP-2903 is protected against microbial attack during transportation and storage in not opened original packaging. To avoid problems with microbial attack during processing and in opened packaging attention should be paid on hygiene. In some cases it could make sense to add biocides to avoid problems with microorganisms.

We recommend using the product under safety precautions as described in the SDS. Avoid contact with eyes and skin. Large quantities should be handled in a correctly ventilated area. Material can create slippery conditions. As the product contains water corrosion-resistance equipment should be used for processing. Low shear pumps like diaphragm pumps should be used.

## Product Stewardship

Dow has a fundamental concern for all who make, distribute and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products – from the initial concept and research to manufacture, use, sale, disposal and recycle of each product.

## Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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