



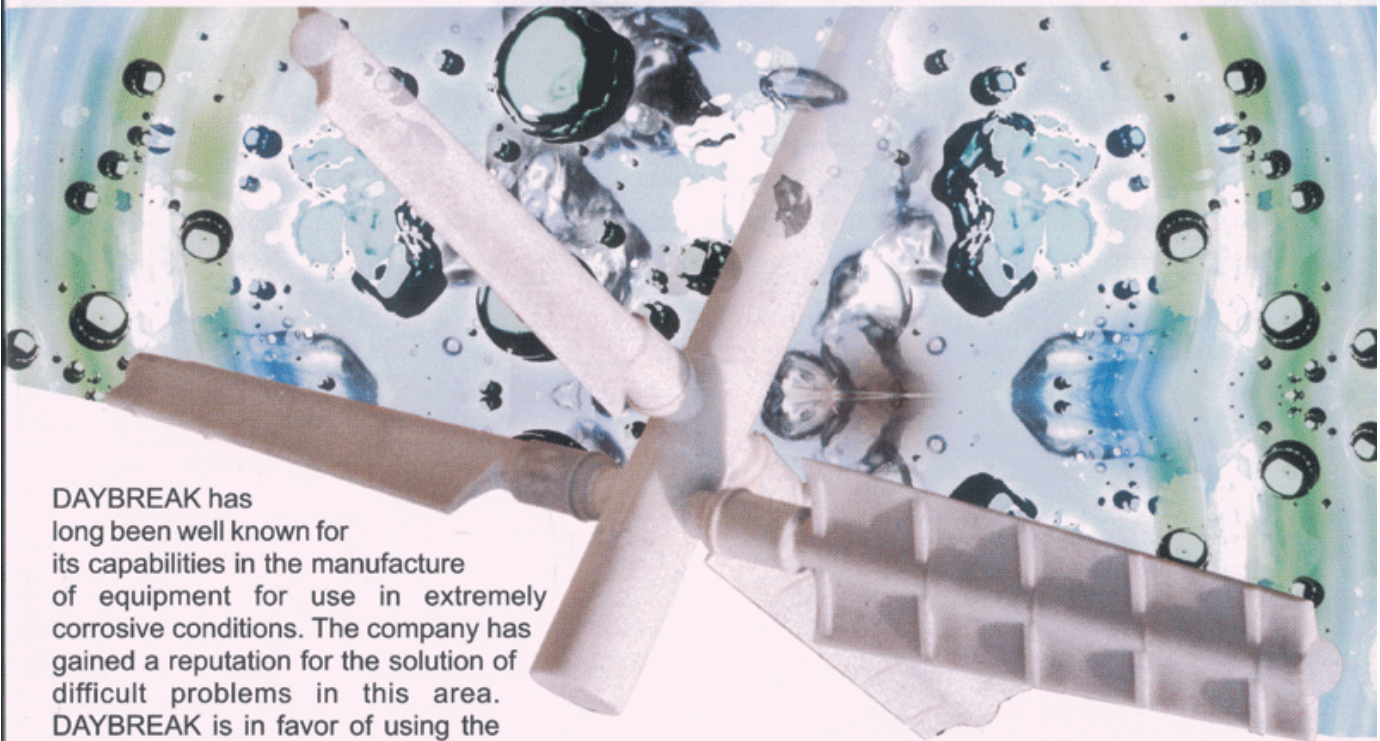
**Daybreak**  
Liquid Engineering Solutions

**CorrMix**

**STEEL REINFORCED INJECTION MOLDED PVDF AGITATOR**

# Fight Corrosion

## CORR-MIX - Unique Combination of Steel & Polymer



DAYBREAK has long been well known for its capabilities in the manufacture of equipment for use in extremely corrosive conditions. The company has gained a reputation for the solution of difficult problems in this area. DAYBREAK is in favor of using the latest high performance materials coupled with unique manufacturing techniques perfected in its own workshops. Steel reinforced injection molded fluoropolymer agitator is one such product.

### **Difference between injection molded surface and lined surface**

The Unique combination insert molding of polymer and steel provides perfect bonding between steel and fluoropolymer in the process common problems like air gaps, bulging observed in lined surfaces are totally avoided. The end product is joint-less combination of steel and polymer.

### **General characteristics**

The corr-mix range result of many years of expertise in the design and construction of equipments used to fight corrosion.

### **Sealings**

- ◆ Gland Packing
- ◆ Single and double mechanical seals.

**Capacity :** 10 Ltrs. To 10000 Ltrs.

### **Operating conditions**

- ◆ Temperature up to 125°C
- ◆ Pressure with vacuum
- ◆ Viscosity up to 1000 Pas

### **Construction materials**

- ◆ Mother surface : Mild steel and stainless steel.
- ◆ Coating : PVDF (Polyvinylidene Fluoride).
- ◆ PP (Polypropylene).
- ◆ GFPP (Glass Filled Polypropylene)

### **Applications**

- ◆ Chlorination (Resistance to HCL H<sup>2</sup>SO<sup>4</sup> and other acids.
- ◆ Fermentation (sugar derivatives, amino acids, antibiotic, polypeptides...)
- ◆ Fine Chemicals (synthesis of active ingredients)
- ◆ Reaction of ozonization, oxidation, sulfonation.



**Daybreak Technologies**

Unit No.5, New Metalage Indl. Premises, Subhash Road, Jogeshwari (E), Mumbai - 400 060. INDIA

P: 91-22-28228833 F: 91-22-28241558 E: info@daybreakworld.com E: daybreaktechnologies@gmail.com W: www.daybreakworld.com