

# Technical Data Sheet



## Ressi SBR 5850

Styrene Butadiene Rubber Based Bonding Aid  
& Additive for Concrete & Masonry

**Ressi SBR 5850** is a ready-for use aqueous dispersion of a styrene-butadiene co-polymer with high stability against electrolytes. It contains anionic/non-ionic emulsifier system and is free from film forming aids, solvents, plasticisers and ammonia. **Ressi SBR 5850** is a Material of Very high solids and is SBR emulsion of its purest form.

### Advantages

- ✓ Improves tensile and flexural strength of mixes
- ✓ Helps in reducing attack by aggressive elements by reducing porosity
- ✓ Compatible with all types of cement
- ✓ Prolonged corrosion protection
- ✓ Reduces shrinkage
- ✓ Suitable for internal and external applications in conjunction with cement
- ✓ Non Toxic

### Typical Properties at 25°C

Property	Value	Unit
Solid Content	48.5 +/- 2	%
pH Value	8	-
Viscosity	30	mPas
Glass Transition Material	-5 °C	°C
Density	1.01 +/- 0.2	G/cm <sup>3</sup>
Mean Particle Size	0.15	µm
Minimum Film-Foaming Temperature	< 3	°C
Surface Tension	30	N/m
Tensile Strength	6	N/mm <sup>2</sup>
Elongation at Break	1000	%

**RESSICHEM** | ریسیکیم  
adding life and value to your property | مضبوطی اور پائیداری کے لئے

RESSICHEM (Pvt.) LIMITED

Plot # D-83, S.I.T.E., Industrial Area, Manghopir Road, Karachi-75530, Pakistan.  
Tel: +92 213 259 3800-02, Fax: +92 213 259 3803

[www.ressichem.com](http://www.ressichem.com)

# Technical Data Sheet



## **Ressi SBR 5850**

Styrene Butadiene Rubber Based Bonding Aid  
& Additive for Concrete & Masonry

### Product Preservation

**Ressi SBR 5850** is preserved against bacterial and fungal attack. In the manufacture of finished product, the material has to be retreated, as usual, with suitable biocides to give enhanced preservation.

### Shelf Life

12 months from the date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

### Cleaning

Clean all equipment and tools with water immediately after use. Hardened material can be removed mechanically.

### (As a Bonding slurry Coat)

As per recommended dosage, Add **Ressi SBR 5850** to premeasured quantity of water in a suitable container and stir well. Add cement slowly and mix well using a slow speed drill machine fitted with a paddle.

### (As an Additive)

It is recommended that a forced action mixer or a low speed drill fitted with a paddle should be used. Weigh the cement and sand where required into the mixer and dry blend together for one minute. With the machine in operation, add the pre mixed **Ressi SBR 5850** and clean water. Continue mixing for 3 minutes to ensure complete dispersal into the sand cement mix. Make any small adjustment to the quantity of clean water but do not significantly exceed the dosage shown below. Mix until homogenous material is obtained.

### Pack Size

1 KG, 5 KG, 30 KG and 200 KG packs.

### Coverage

As a neat bonding agent: 5-7 m<sup>2</sup>/ ltr/Coat. Actual coverage depends on texture and porosity of substrate. As an additive for the tile adhesives, bedding mortars, Sand-cement renders, plasters and screeds, the dosage may vary from 10 to 20% by weight of cement



**RESSICHEM (Pvt.) LIMITED**

Plot # D-83, S.I.T.E., Industrial Area, Manghopir Road, Karachi-75530, Pakistan.  
Tel: +92 213 259 3800-02, Fax: +92 213 259 3803

[www.ressichem.com](http://www.ressichem.com)

# Technical Data Sheet



## **Ressi SBR 5850**

**Styrene Butadiene Rubber Based Bonding Aid  
& Additive for Concrete & Masonry**

### **Product Preservation**

**Ressi SBR 5850** is preserved against bacterial and fungal attack. In the manufacture of finished product, the material has to be retreated, as usual, with suitable biocides to give enhanced preservation.

### **Health and Safety**

**Ressi SBR 5850** is regarded as non-hazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to the MSDS of the product for further health and safety information.

**RESSICHEM** | ریسیکیم  
adding life and value to your property | مضبوطی اور پائیداری کے لئے

**RESSICHEM (Pvt.) LIMITED**

Plot # D-83, S.I.T.E., Industrial Area, Manghopir Road, Karachi-75530, Pakistan.  
Tel: +92 213 259 3800-02, Fax: +92 213 259 3803

[www.ressichem.com](http://www.ressichem.com)