



# TECHNICAL DATA SHEET

## ROBUSTO BOND 336

### PRODUCT DESCRIPTION:

**ROBUSTO BOND 336** is a one component styrene butadiene rubber latex bonding agent. **ROBUSTO BOND 336** (SBR) is designed to improve the physical properties of cement mortar and slurries.

### USES:

**ROBUSTO BOND 336** is ideally designed for use in the following applications:

- **Bond Coat:** Bonding of old to new concrete, when used as slurry coat.
- **Waterproof Plasters and Plaster Repair:** For making waterproof plaster which is better than normal plaster or for repair of damaged plasters.
- **Rendering & Repair:** To produce a mechanical key prior to rendering of various plaster mixes on concrete, brick & block surface concrete.
- **Waterproofing & Damp-proofing:** For basements, side walls and rafts, lift pits, sunken/overhear water tank, sunken portions of bathrooms and toilets, balconies etc.
- **Mortar Modifier:** To produce a repair mortar for patching of honeycombed concrete, internally and externally.
- **Concrete Repair:** For damaged, worn or spalled concrete, repairing concrete floors, beams and pre-cast slabs etc.

### ADVANTAGES:

- Successfully increases the bonding/adhesion of cement mixes.
- Excellent waterproof additive which helps produce waterproof renders, screeds and toppings.
- Effective plasticizer giving improved workability and cohesion.
- Improved mechanical and physical properties by increasing tensile, flexural and adhesive strengths.
- Reduces shrinkage and cracking in repair and screeding mixes.
- Enhances impermeability to chlorides and other harmful chemicals.

### STANDARDS:

**ROBUSTO BOND 336** complies with ASTM C1059-99, **Type-I & II**, when tested in accordance with test method ASTM C1042.

### TECHNICAL PROPERTIES @ 25°C:

Form:	Milky-white liquid
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Active solid content : 43 ± 2 %		
Specific Gravity@ 27°C : 1.03 ± 0.02		
pH : 7 - 10		
Slant shear strength: ASTM C1042-99	ROBUSTO BOND 336	ASTM C1059 requirement
Type I (dry)	> 8.0 MPa	2.9 MPa
Type II (after Immersion)	> 15.0 MPa	8.9 MPa
Shrinkage during cure : 0.01 - 0.02%		
Resistance to water : Excellent		

### **METHOD OF USE:**

- **Substrate Preparation:** All substrates shall be free from dust, excess mortar, oil or other loose particles. Macro cracks or honeycombs shall be repaired using suitable cement mortar.
- **Mixing & Applying:** Mix well different ingredients as suggested below in desired consistency as per required application. Water proportion can be adjusted slightly to achieve the required consistency. In general water content should be kept to the minimum necessary.

Application	Mixing	Ratio	Consistency	Coverage
Bonding Coat	SBR:C	1:5	Slurry	4-5 Sqm
Waterproof Coat	SBR:C	1:2	Slurry	3-4 Sqm
Mortar Modifier	SBR:C:S:W	1:5:15:1	Mortar	6-10 Kg/50 Kg Cement
Floor Screed/Toppings	SBR:C:S:A:W	1:5:7:7:1	Mortar	10 Kg/50 Kg Cement
*SBR – ROBUSTO BOND 336, C – Cement, S – Dry Sand, A – Coarse Aggregate, W – Water				

Mixed materials should be applied wet on wet with suitable brush or trowel i.e.: the bonding coat must not be allowed to dry. In order to prevent rapid drying, mortars/screeds should be properly cured with curing compound. All tools and equipments should be washed with water immediately after use.

### **CURING:**

Care should be taken for appropriate curing. Use a chemical curing compound or a wet hessian completely covered with a polyethylene sheet for curing.

### **CLEANING**

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically be washed with fresh cold water.

## **STORAGE & SHELF LIFE**

**ROBUSTO BOND 336** has a shelf life of 12 months from the date of manufacture if stored at temperature between 5<sup>0</sup>C to 35<sup>0</sup>C in closed packaging.

If these conditions are exceeded, RCPL Technical Department should be contacted for advice.

## **PACKAGING:**

**ROBUSTO BOND 336** is available in 5, 10 & 20 Kg container.

## **HEALTH & SAFETY:**

**ROBUSTO BOND 336** is nontoxic. Avoid skin and eye contact. Gloves and eye protection should be worn. The use of barrier cream is recommended on exposed areas of the skin. In case of accidental contact with eyes, immediately flush with plenty of fresh water for at least 10 minutes and seek medical advice.

For the further information refer to the material safety data sheet.

## **FIRE:**

**ROBUSTO BOND 336** is water based POLYMER and non-flammable.

## **DISCLAIMER:**

*The manufacturer reserves the right to change the specifications. RCPL products are guaranteed against material manufactured and are sold subject to the company's Terms and Conditions of Sale. Whilst we endeavour to ensure that advice, specifications, recommendations, and information given is correct, we cannot have control over how our products are applied and will not accept liability, directly or indirectly, arising from application of our materials.*

