



## PRODUCT DESCRIPTION:

**BESTFLOW GROUT EP196** is a three-component grout that includes a two-part epoxy resin system and carefully blended aggregates that form a high-performance non-shrink grouting material High bond strength.

- Impermeable to moisture.
- Provides excellent resistance to creep, high compressive strength, modulus of elasticity and excellent resistance to cracking at elevated temperatures.
- Chemically stable at temperatures up to 150°C.
- Resistant to oil, synthetic lubricants, water and most chemicals.
- No priming required.
- Excellent adhesion to steel and concrete.
- Rapid installation and strength gain to ensure early commissioning of equipment.
- Excellent fatigue resistance.
- Compatibility with equipment subject to extensive thermal movement.

## Recommended Uses:

- Anchors, rails and bolt fixing.
- Crane and transporter rails.
- Industrial equipment and machinery subject to static or dynamic forces.
- Structural filling of holes and cavities in concrete.
- Bridge bearing seats.
- New and old machine base plates.
- Equipment where chemical and acid spillage occurs.
- Pile cap waterproofing.

## TECHNICAL INFORMATION

|   |                               |
|---|-------------------------------|
| Component   | A(BASE)+B(HARDNER)+C (Filler) |
| Density ASTM C 905-79                             | 2115 kg/m <sup>2</sup>        |
| Tensile Strength - ASTM C 307-83                  | 14Mpa                         |
| ASTM C 579-82, Method B,                          | 01 Day 11,000PSI              |
| Modified 50mm cubes at specified test temperature | 07 Days = >15,000 PSI         |
| Impact Strength                                   | Superior to concrete          |
| Abrasion Resistance                               | Superior to concrete          |
| Flexural strength @ 7 days                        | 29.50 /mm <sup>2</sup>        |
| Adhesive Strength @ 7 Day                         | >290 PSI                      |
| Elastic modules (static) 7 Days                   | 13 N/mm <sup>2</sup>          |
| Effective bearing area                            | 95% minimum                   |
| Pot life @ 25 C                                   | 50 min                        |
| Co-efficient of thermal expansion (ASTM C531-95)  | 5.65 x 10-5/°C                |



# BEST CONSTRUCTION CHEMICALS

Stick with Best

## Important Information:

Supplied in: 20 kg units.  
Storage: Dry, frost free area. Out of direct sunlight.  
Shelf life: 12 months.  
Hazard Class: No dangerous goods. Consult MSDS for details.

## Application Guidelines:

### Surface preparation:

Anything that can impair adhesion must be removed including any grease, oil, dust, curing compounds or any previous coating using grit ballasting, milling or grinding. The concrete surface must be chipped to ensure better bonding. New concrete should have compressive strength of at least 25 MPa.

### Mixing:

Do not split packs or alter the ratio of resin components in any way. Mix with a slow speed drill and paddle. Add the contents of the reactor container to the base component in a suitable mixing vessel, ensuring complete transfer of both resin components. Mix for one minute before slowly adding the aggregates and continue mixing until a flowing, pourable consistency is achieved. Do not over-mix as this may entrain air.

### Metal preparation and priming:

Metal surfaces or components to be bedded, should be free from any rust or scaling. Base plates or rails and other metal surfaces to be grouted should be cleaned to obtain proper adhesion. This should preferably be done just prior to grouting.

### Forming:

Ensure form work is water tight to prevent movement during placing and curing.

### Placing:

Place immediately after mixing, into the prepared area in such a manner that it has the shortest distance to flow. For longer pours a suitable head of pressure may be required. Ensure the area to be grouted is not completely sealed, and any displaced air can be expelled. Pour continuously from one end only. Allow the grout to set prior to removal of formwork (normally after 6 hours).

### Disclaimer:

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.

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