



**C-TEC**  
BUILDING PRODUCT  
SPECIALISTS

## Product Information

**P.G.B.**  
Power Grab 'n' Bond



## TECHNICAL DATA TRIBRID® Polymer

|                                      |                        |
|--------------------------------------|------------------------|
| Density :                            | 1569kg/m <sup>3</sup>  |
| Curing in 24hrs :                    | 2 to 3mm               |
| Shrinkage :                          | None                   |
| Skinning Time :                      | 10-15mins              |
| E-Modulus 100% :                     | 1.39 Mpa               |
| Volume shrinkage after cure :        | none                   |
| Hardness – DIN 53505 Shore A :       | 60°                    |
| Tensile strength :                   | 22Kg / cm <sup>2</sup> |
| Thermal stability :                  | -40°C till + 90°C      |
| Elongation at rupture –<br>DIN 53504 | 335.00%                |

### Chemical resistance

|           |                                                                            |
|-----------|----------------------------------------------------------------------------|
| Good:     | Water, seawater, aliphatic solvents, oils, greases, Diluted organic acids. |
| Moderate: | Esters, ketones, Aromatics                                                 |
| Bad:      | Concentrated acids, chlorinated solvents, High concentrations of chlorine  |

|              |           |
|--------------|-----------|
| Shelf life : | 18 months |
|--------------|-----------|

Fast curing / Cures with no shrinking / Remains flexible / Resists vibrations.

### **Bonding Performance:**

Initial strength for horizontal bonding (uncured) 100grms / cm<sup>2</sup>.  
Initial strength for vertical bonding (uncured) 20grms / cm<sup>2</sup>.  
Tensile strength fully cured 22kg / cm<sup>2</sup>.  
Shear strength fully cured 11kg / cm<sup>2</sup>.



## **General Information**

Based on our revolutionary TRIBRID® technology Power Grab 'n' Bond is a unique solvent free construction adhesive with an exceptionally high initial grab followed by an incredible structural bond. It can be applied to Concrete, Most Stones, Ceramic, Marble, Wood, Gypsum Board, Metals, Lead, Glass, Mirror, Plastics (excluding PP, PE and PTFE) and any combination of the above without any additional fixings. For application advice on sandstone type materials contact our technical department. For application advice on powder coated substrates, contact powder coating manufacturer.

## **APPLICATIONS**

- Apply a 450mm x 13mm bead of PGB per kilogram weight on heavy vertical bonding.
- For all other applications, including general building maintenance Power Grab 'n' Bond bonds non-porous stone, concrete, natural stone, gypsum board, wood, glass, polycarbonate, ceramics and many other materials. For highly porous stone please contact Technical Services via website.
- As a universal adhesive Power Grab 'n' Bond bonds to most surfaces and does not attack synthetic material.
- On mirror applications apply in vertical strips (Not suitable for PP backed mirrors), on natural stone, polyester, polystyrene foam (does not bleed through).
- Power Grab 'n' Bond bonds copper, lead, zinc, aluminium, stainless steel, and is resistant to vibration.

## **DIRECTION FOR USE**

- Cut the tube at the nose and apply with the "v" in the nozzle facing up.
- Porous stone should be sealed with a good quality PVA solution.
- All surfaces should be clean and dry.
- It is advisable that all Metal applications should be cleaned and de-greased with C-Tec Multisolve.

## **DELIVERY FORM**

Power Grab'n' Bond is supplied in a 290ml Cartridge.