

### **BONDSEAL 206**

**A Two Pack Cold Applied, High Performance, Environmentally Friendly Flexible Cable Slot, AGL and Pavement Compound.**

#### **DESCRIPTION**

BondSeal 206 is a two part fast curing chemically engineered system specially formulated to provide an effective sealing and repair solution to applications where flexibility combined with high load strength is a key requirement.

BondSeal 206 has been formulated for use with and without the inclusion of aggregate and/ or abrasion resistant calcine bauxite. In areas of exceptional wear, carborandum toppings may be utilised. BondSeal 206 is resistant to fuel, oil and hydraulic fluid spillage. It will not harden in cold weather nor become excessively soft or pick up in hot conditions.

BondSeal 206 has high durability and long service life, which significantly reduces maintenance costs.

#### **USES**

For the installation , sealing maintenance and repair of airfield cable slots, AGL surrounds, road traffic loops, bridge joint transition strip/nosings, flexible bridge deck joint compositions and vehicle stands.

A higher movement accommodation grade is also available for reinstatement of failed sealant and multi-storey car park deck joints in addition to joints between concrete and asphaltic pavements.

#### **ADVANTAGES**

- Excellent adhesion to both concrete and asphalt.
- Cold applied – no heating equipment required.
- Self-leveling.
- Fuel, oil and hydraulic fluid resistance.
- Provides a tough yet flexible repair/seal.
- Environmentally friendly.
- Waterproof.
- High performance – less maintenance.

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#### PHYSICAL PROPERTIES

Form	: Two part compound
Mix ratio	: 2 parts base to 3 parts hardener by weight.
Colour	: Black or grey
Pot life	: 12 minutes @ 23 C
Trafficable	: 12 hours @ 23 C
Full cure time	: 72 hours @ 23 C
Hardness Shore 'A'	: 55-65
Specific Gravity	: 1.13
Solids content	: 100 %
Tensile strength	: 4 N/mm <sup>2</sup>
Tear strength	: 20 N/mm <sup>2</sup>
Elongation at break	: 275%
Flammability	: Does not support combustion.
Application Temperatures	: To avoid unacceptably prolonged cure times, do not apply at temperatures below 5 C.
Chemical Resistance to occasional spillage	: Aviation fuels resistant Hydraulic fluids resistant Skydrol resistant Kerosene resistant Petrol resistant Diesel fuels resistant Synthetic oils resistant Mineral oils resistant White spirit resistant Mild alkalis resistant Dilute acids resistant

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#### DESIGN CRITERIA

In situations where anti-skid properties or exceptional wear resistance is required, please consult Gulf Minerals & Chemicals' Technical Department.

#### MAINTENANCE

No special requirement, any damage identified during normal inspections should be repaired or replaced as appropriate.

#### APPLICATION INSTRUCTIONS

##### Preparation

The slots or areas to be sealed or repaired should be accurately formed with straight edges. All substrates must be sound, dry and free from oil and frost.

All surfaces must be well prepared to remove dust and laitance by grit blasting, grinding, planning or other mechanical means to expose a sound surface.

The slot should be blown out with dry, oil free compressed air just prior to priming.

##### PRIMING

All substrates should be primed with BondSeal 206 primer avoiding ponding and allowed to dry, such that all of the solvent has evaporated.

BondSeal 206 should be applied within 12 hours of applying the primer.

In the event that the area is left more than 12 hours after primer application before installation of BondSeal 206 the substrate must be re-primed.

##### MIXING

BondSeal 206 is supplied in a composite 8 litre pack, comprising a large base tin and a small curing agent tin.

The total contents of the small curing agent tin is decanted into the base large tin ensuring all the components are mixed for full **one and a half minutes** using a 1500 RPM site drill fitted with a paddle stirrer. Particular attention must be paid to ensure dispersal from the bottom and sides of the tin.

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#### **APPLICATION**

Immediately after mixing operations pour BondSeal 206 into the prepared and primed substrate/slot.

BondSeal 206 has a pot life of 12 minutes @ 23 C and shorter at elevated temperatures, therefore, any undue delay must be avoided.

BondSeal 206 is self-levelling therefore no tooling is required.

#### **CLEANING**

Clean equipment with BondChem's solvent free eco cleaner. Remove BondSeal 206 from hands using 'Swarfega' or similar hand cleaner, followed by moisturising cream.

#### **LIMITATIONS**

In areas where above normal abrasion resistance, very high movements ( i.e. 50% + MAF ) or in transition joints between concrete and asphalt pavements, specific details are required. Please contact Gulf Minerals & Chemicals' Technical Department for advice.

#### **ESTIMATING**

BondSeal 206 is supplied in a composite 8 litre pack. Yields will vary dependent on the area to be repaired or sealed. Please refer to BondChem's Technical Department for advice.

#### **PRECAUTIONS**

##### **Health & Safety**

Always wear protective overalls, goggles and gloves when handling BondSeal 206.

Refer to Material Safety Data Sheet for further information.

Whilst the information and/or specification given are to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and any labour involved are beyond our control.

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