



# BUILDROCK SHIELD GG-510/PG-511

GUN GRADE / POURING GRADE  
POLYSULPHIDE BASED ELASTOMERIC SEALANT  
FOR MOVEMENT JOINTS

## TECHNICAL SPECIFICATIONS & DATA SHEET

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### DESCRIPTION

**BUILDROCK SHIELD GG-510/PG-511** are two pack polysulphide based joint sealant in two grades as above. **BUILDROCK SHIELD GG-510** is gun applied or non-sag type for vertical and inclined expansion/contraction(movement) joints and **BUILDROCK SHIELD PG-511** is pouring grade for horizontal movement joints. When two packs are mixed i.e. Polysulphide, with curing agent, it forms tough, flexible, durable rubber like material with strong adhesive property on most building substrates and joints.

### INDICATIVE CHARACTERISTICS

- Density of the mixed materia : 1550 Kg/cm<sup>3</sup> at 30 ± 2 ° C.
- Shore "A" hardness : 20-25
- Service Temperature : Upto 800C.
- Application Temperature : 5°C to 40°C
- Shrinkage : Upto 0.50%

### APPLICATION SURFACE PREPARATION

All surfaces must be clean, dry and free from any loose particles, grease or oils. Correct joint design should be followed. To use economical quantity of **BUILDROCK SHIELDGG-510/PG-511**, Width:Depth ratio should be maintained at 2:1. Where joints have been treated with fibre filler board, they should be raked back to the required depth and then compressible solid pipe or polyurethane foam of diameter matching joint width as back filler should be used and a bond breaker tape be placed (No three side bonding). Use **BUILDROCK SHIELD GG-510/PG-511(P)** Primer on both inside surfaces of the joints. Edges may be converted with masking tape.

### USES

**BUILDROCK SHIELD GG-510/PG-511** is used to form long lasting weather resistant and waterproof seals in joints subject to regular movement or permanent deformation. Gun Grade is exclusively used in water retaining structure under passes, tunnels, basements, pre-cast concrete elements, bridges etc. Pouring Grade is used in runways, subways, and rigid pavements or in horizontal movement joints

### FEATURES

- Long lasting elasticity
- High movement capability
- Excellent adhesion to many substances
- Good AFT fuel and chemical resistance
- No sag with Gun Grade
- Easy to pour on horizontal joints with Pour Grade

### SUGGESTED SPECIFICATION

**BUILDROCK SHIELD GG-510/PG-511** ASTM C 920 (G Grade) BS 5212 (Section fuel resistance) P Grade BS 4254 Din I8540 & US Federal Specification TTS-00227 E Class A

### STORAGE

If stored in unopen container in dry condution at normal ambient temperature, a shelf life of 12 months can be expected. **BUILDROCK SHIELD GG-510/PG-511** should be kept away from naked flames.

### SELF LIFE

Shelf Life of **BUILDROCK SHIELD GG-510/PG-511** is about one year if the containers are kept unopened.

### PACKAGING

**BUILDROCK SHIELD GG-510/PG-511** available in 250ml and 1 ltr. pack

### PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet. MSDS available on demand or on BUILDROCK construction chemicals web site.

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