

# TECHNICAL INFORMATION

## STRATASEAL

### Product Data Sheet: Construction and Installation Grouts

#### DESCRIPTION

Strataseal is a light coloured, free flowing, fine powder, is non-combustible and easily mixed in water by most available mixers. It does not represent any explosive hazard, nor release any harmful vapour at any time.

The hazard of spontaneous combustion in coal mines is controlled by the use of specialised sealants, of which Strataseal is the latest development approved under the UK Coal non-metallic scheme, Ref: no: A2824.

Areas of high heating risk can occur behind advancing faces and the prevention of air ingress to such areas is an essential safety precaution.

Strataseal, as the name suggests, does just that. It is a single shot powder, which when mixed with water yields a high volume of flexible gel which penetrates readily into fissures and voids to eliminate the movement of air. In so doing it prevents, "heating", damps down hot zones and minimises the oxidation of coal waste..

#### USES

Ventilation leakage control through face startlines, strata faulting, roof breaks, inadequate Packs/stoppings and face finish lines.  
Sealing voids, fissures, tunnel linings, borehole casings etc. Suitable for use in areas of potential chemical attack.

#### MIXING

It is mixed at a rate of 1 bag (25kg) per 180-225 gallons of water to form a usable slurry which thickens progressively after injection to form an irreversible gel and retains its sealant properties even in the event of strata movement. required to produce 1m<sup>3</sup> of set grout is 1.6 tonnes. These yield figures do not make any allowance for site wastage.

#### TYPICAL MIX DATA

After mixing with water at 3000rpm for 3 minutes the following results were obtained:

	10% weight for weight	14% weight for weight
Mix Strataseal + water	25kg +250 litres	25kg + 178 litres
Viscosity (Fan 600rpm) 10 minute gel (lbs/10sq.ft)	30cps 12	62cps 20

The gel time of **Strataseal** is dependent on the concentration, mixing time, shear rate and water hardness. After mixing, injection should proceed with the minimum delay to ensure gelling and swelling within the strata.

For more details contact:  
03444 630 046 [pozament@tarmacbp.co.uk](mailto:pozament@tarmacbp.co.uk)

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The information given in this technical data sheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Tarmac endeavour to ensure that the information given is accurate, but accept no liability for its use or its suitability for particular application because of the product being used by the third party without our supervision. Any existing intellectual property right must be observed.

## CLEAN UP AND SPILLAGES

Dry powders should be swept up and disposed of in accordance with the Local Authority.

## QUALITY CONTROL

All Pozament products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001.

## PACKAGING AND STORAGE

**Strataseal** is available in nominal 20kg sacks, palletised and shrink wrapped. **Strataseal** may also be available in Intermediate Bulk Containers or in Bulk Powder Tankers. Palletised **Strataseal** should be stored in cool dry areas clear of the ground, sheeted or under cover and stacked not more than two pallets high. The product should be used on a first in – first out basis. Shelf life is minimum 3 months when properly stored but could be in excess of 6 months subject to temperature and humidity.

## INFORMATION, PRICES & ORDERING

For technical information, pricing and to place orders contact our Sales Office on the following:

Telephone: **03444 630 046**

Email: **pozament@tarmacbp.co.uk**

Visit our website: **pozament.co.uk**

Tarmac Building Products Ltd.,  
Swains Park Industrial Estate, Park Road, Overseal,  
Swadlincote, Derbyshire, DE12 6JT

## HEALTH & SAFETY

Health and safety advice, which must be followed, can be found on the Material Safety Data Sheet. Users are advised to wear face mask, goggles, gloves and overalls when handling, mixing and applying cementitious products.

Contains Portland Cement Contains Chromium (VI), which may produce an allergic reaction. Clothing contaminated by wet cement should be removed immediately and washed before reuse. R38 - Irritating to skin. R41 - Risk to serious damage to eyes. S26 - In case of contact with eyes, rinse immediately with water and seek medical advice. S37/39 - Wear suitable gloves and eye/face protection. S2 - Keep out of reach of children.

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