

# TECHNICAL INFORMATION

## POLYMER MODIFIED GROUT RANGE

### Product Data Sheet: Tunnelling Grouting Materials

#### DESCRIPTION

The **Polymer Modified Grout Range** is a range of pre-blended cementitious grouts manufactured using ordinary Portland Cement and selected fillers and polymeric anti-washout additives. The **Polymer Modified Grout Range** has excellent pumpable qualities when mixed with water. The heat of hydration is low with minimal plastic shrinkage.

The **Polymer Modified Grout Range** has a high resistance to sulphates and has a low density and high yield.

#### USES

The **Polymer Modified Grout Range** is a versatile grout range designed for application in wet and marine areas and underwater with typical uses including void filling, piling and ground remediation, amongst other general grouting operations.

Typical uses include filling redundant mine and tunnel workings, pile installation, trenchless tunnel systems and grouting in marine environments.

#### APPLICATION

The **Polymer Modified Grout Range** should be mixed using water which complies with BS EN 1008 (as for concrete). These grouts are designed to be versatile and can be mixed and placed using a range of equipment including paddle, high-shear and colloidal mixers and helical screw, diaphragm and piston type pumps.

#### PACKAGING AND STORAGE

The **Polymer Modified Grout Range** is available in nominal 20kg paper bags, palletised and shrink wrapped.

Palletised **Polymer Modified Grout** 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 6 months' subject to temperature and humidity.

Individual bags of **Polymer Modified Grout** should be stored in sealed original packaging in a dry location at temperatures between 5°C and 30°C. Avoid exposure to water, frost or heat - high temperatures and high humidity will lead to a reduced shelf life.

#### QUALITY CONTROL

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

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

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The information supplied in our literature or given by our employees is based upon extensive knowledge and experience. This information, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations. Any existing intellectual property right must be observed. Tarmac's standard terms and conditions apply.

## TYPICAL PERFORMANCE

The below figures are obtained by laboratory testing at 22°C and at a WSR of 0.4 (8 litres of water per 20kg bag).

Typical Usage Legend:

T=Tunnelling  
 S=Structural  
 STAB=Stabilisation  
 P=Piling  
 V=Void Filling

Product	W:SR	Compressive Strength Gain (N/mm <sup>2</sup> )				Set Time (Hours)	Tonne per m <sup>3</sup> grout <sup>1</sup>	Yield (litres per 20kg) <sup>1</sup>	Typical Uses (see legend)
		1 day	3 days	7 days	28 days				
BC91P	0.4	20-23	38-45	48-50	60-65	6-12	1.39	14.4	T,S,STAB,P,V
BC82P	0.4	10-12	19-22	31-33	49-51	6-12	1.32	15.12	T,S,STAB,P,V
SP/P1	0.4	3-5	6-9	16-18	26-28	6-12	1.25	16.1	T,S,STAB,P,V
SP/P4	0.4	2-4	5-7	11-13	20-22	6-12	1.24	16.1	T,S,STAB,P,V
SP/P7	0.4	-	2-4	5-7	11-13	6-12	1.20	16.65	T,STAB,P,V
SP/P8	0.4	-	0.5-1.5	2-3	5-7	6-12	1.20	16.65	T,STAB,V
SP/P10	0.4	-	0.5-1.5	1.5-2.5	3-5	6-12	1.19	16.8	T,STAB,V
SP/P19	0.4	-	0.5-1	2-3	3-4	6-12	1.19	16.8	T,STAB,V

<sup>1</sup>These figures are approximate and take no account for site wastage.

## 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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