

TECHNICAL INFORMATION

PQ-X CEMENT

Product Data Sheet: Concrete Repair & Installation

DESCRIPTION

PQ-X Cement is a quick setting ultra-rapid hardening cement for use in producing concrete for the rapid repair and replacement or construction of concrete roads and airfields where time is limited due to possession allowance.

USES

PQ-X Cement is used as a direct replacement for Portland cement and admixtures in the production of concrete. Concrete manufactured **using PQ-X Cement** is mainly used when restricted working time necessitates ultra-rapid strength gain where the work programme is of short duration.

Typical applications include the replacement and repair of airfield and highway concrete pavements, concreting car park decks, replacement of industrial floor slabs and rail structure and track bed replacement.

PQ-X Cement can also be used in marine environments where tidal influences effect construction time.

KEY PROPERTIES: PERFORMANCE

- Ultra-rapid strength gain.
- High Ultimate strength.
- Various levels of consistency available to meet specific placing requirements including direct, skip and pump.
- Resistance to chlorides.
- Low surface absorption.
- High Chemical and sulphate resistance.
- Low shrinkage.
- Dimensional stability.
- High freeze thaw resistance.
- Low oxygen permeability.

COMPOSITION

PQ-X Cement is a prepacked, one component factory blended product comprising of Portland cement and a group of special high performance binders/modifiers which control hardening rates, volume stability and in service performance. **PQ-X Cement** is grey in colour and the bulk density, fineness and specific gravity of **PQ-X Cement** are similar to ordinary Portland cement.

WORKING TIME

High temperatures will accelerate the setting and hardening of the concrete.

PACKAGING AND STORAGE

PQ-X Cement is available in nominal 25kg bags and Intermediate Bulk Containers, palletised and shrink wrapped. **PQ-X Cement** may also be available in Bulk powder Tankers.

Palletised **PQ-X Cement** 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 but could be in excess of 6 months subject to temperature and humidity.

For more details contact:
03444 630 046 pozament@tarmacbp.co.uk

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.

TYPICAL PERFORMANCE

The below figures were obtained by testing in laboratory conditions at the below temperatures.

Temperature	Slump Class	W:C Ratio	Working Time (min)	Compressive strength gain of a concrete produced at 455kg/m ³					
				2 hours	3 hours	4 hours	24 hours	7 days	28 days
10°C	S4	0.37	25	8-10	12-14	17-20	30-34	42-45	50-55
20°C	S4	0.37	20	16-18	27-29	31-35	40-42	49-52	58-60
20°C	S2	0.35	25	20-22	31-33	40-42	44-46	52-54	60-62

QUALITY CONTROL

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

CLEAN UP AND SPILLAGES

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

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.

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

For more details contact:
03444 630 046 pozament@tarmacbp.co.uk