



BENEFITS

- ✓ Quick to apply and allows rapid vehicular trafficking
- ✓ BS 7533 compliant
- ✓ Designed for use with Parex FBC Bedding Mortar.
- ✓ Economical & cost-effective
- ✓ Aesthetically pleasing smoother finish

Description

Slurry-applied Granatech 40 Fine is a high strength, low modulus mortar developed in response to demands from contractors for a cost-effective material purpose-made for pointing of natural stone and concrete paving units.

It is designed for use with Parex Fine Bedding Concrete to allow the rapid opening of paved areas after 24 hours.

The mortar is specially formulated to meet the requirements of architects and engineers requiring compliance with the relevant part of BS 7533.

Granatech 40 Fine can be applied speedily over large areas for effective jointing of all paving units, providing quick and cost-effective jointing when laying wherever there is a large proportion of jointing material to paving unit.

Uses include:

- Grouting large areas.
- Laying cropped setts.
- Suitable for pedestrian traffic at 2hrs.
- Suitable for vehicular traffic at 4hrs.

Standards

Granatech 40 Fine has been tested in accordance with the relevant Part of BS 7533.

Specification Outline

Jointing of paving units shall be carried out using Granatech 40 Fine as manufactured by Parex Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Quality Assurance

Parex Limited has an integrated management system.

This is externally accredited to:

BS EN ISO 9001, BS EN ISO 14001, BS ISO 45001 & BES 6001.

Typical Properties @ 20°C

Compressive Strength

2 Hours	4 Hours	1 Day	28 Days
10N/mm ²	16N/mm ²	23N/mm ²	48N/mm ²

Volume stability	<0.08%
Flexural strength	9.3N/mm ²
Modulus of Elasticity	23,100N/mm ²
Adhesive Strength*	>2.0N/mm ²
Density	2175kg/m ³
Pot life	30 minutes

*Indicative figure only. Minimum bond strengths are prescribed within BS7533 (Part 7) but their attainment is a function of both the mortar characteristics, the nature of the stone and its surface profile. Accordingly, bond strength figures quoted can only be indicative. As a service to customers, Parex can provide test results for individual materials where samples are made available for laboratory testing.



Instructions for Use

Preparation

All paving units shall be securely bedded before pointing commences and all surfaces with which the mortar comes into contact clean and dust-free. A strong mortar bedding, free of all friable material will enhance bond strength.

Ensure that enough mortar is mixed and available for the grouting operation to be completed in one continuous pour.

Mixing

For each 25kg bag of Granatech 40 Fine, a minimum of 4.25 litres of water is required. Pour the required quantity of clean water into the mixing vessel. Slowly add the Granatech 40 Fine to the water, continually mixing until a uniformly smooth consistency is obtained.

Placing

Prior to placing, joints should be wetted but any standing water should be removed. Granatech 40 Fine can be applied to joints of up to 25mm width, however 6-15mm is the optimum. The mortar slurry should be placed within 20 minutes of mixing. Continuous placing is important, pouring from one side of the work area, fully filling the joints before starting a fresh section.

Granatech 40 Fine may be poured over the paving units safely, though it is essential to dampen their surface prior to the commencement of application.

Once placed, the mortar should be left to stand until it gels, prior to the commencement of cleaning, though the surface must be kept damp during this time by the application of a light spray of water as required.

Once the mortar has gelled, finishing and cleaning to remove any surplus material can proceed using either a proprietary belt cleaner or a soft brush together with a continuous light spray of water.

Granatech 40 Fine may be placed at temperatures between 5°C and 35°C. For placing temperatures outside this range, contact the Technical Service Department.

Curing

In general, no special curing is required, however in extremely warm conditions (>25°C) it may be necessary to continuously spray the placed area with water to aid curing and prevent the material from drying too fast.

Precautions

Health and Safety

Granatech 40 Fine is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs, wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean water and seek medical advice.

Full health and safety data are given in a Product Safety Data Sheet.

Fire

Granatech 40 Fine is non-flammable.

Yield

Each 25kg bag of Granatech 40 Fine will yield approximately 13.5 litres of mixed material.

Storage and Shelf Life

Granatech 40 Fine will have a storage life of 6 months in unopened bags when kept in dry conditions at a temperature between 5°C and 45°C. Storage at higher temperatures and high humidity may reduce shelf life.

Packaging and Ordering

Granatech 40 Fine is available in all standard Granatech colours, subject to minimum order quantities.

For further information and sales, please contact your local Parex office as listed below.

Parex Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Parex Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Parex Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.