

GRANATECH



Uses include:

- Grouting large areas.
- Laying cropped setts.
- Suitable for pedestrian and highway use.

Standards

Granatech has been tested in accordance with the appropriate parts of the following Standards: BS7533 Pt7. and B.S. 1881.

Specification Outline

Jointing of stone elements shall be carried out using Granatech as manufactured by EasiPoint Marketing Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Quality Assurance

EasiPoint Mortars are manufactured under a quality system conforming to BS EN ISO 9001:2000.

Typical Properties @ 20°C

Compressive Strength

1Day	3 Days	7 Days	28 Days
12N/mm ²	29N/mm ²	32N/mm ²	48N/mm ²

Granatech is also available in 25N/mm² strength where required

Volume stability	<0.08%
Flexural strength	9.3N/mm ²
Modulus of Elasticity	23,100N/mm ²
Adhesive Strength*	>1.2N/mm ²
Density	2200kg/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, EasiPoint can provide test results for individual materials where samples are made available for laboratory testing.

BENEFITS

- ✓ Quick to apply
- ✓ BS7533 compliant
- ✓ High strength
- ✓ Economical & cost-effective
- ✓ Aesthetically pleasing finish

Description

Slurry-applied Granatech is a high strength, low modulus mortar developed in response to demands from contractors for a cost-effective material purpose-made for pointing of continental-style small element paving.

The granite-based mortar is specially formulated to meet the requirements of architects and engineers requiring compliance with British Standard BS7533 Part 7.

Granatech can be applied speedily over large areas for effective jointing of cubes, pavers, cropped setts, nibs and small modular stone units, providing quick and cost-effective jointing when laying wherever there is a large proportion of jointing material to stone. It is applied by spreading over the surface, prior to compacting and scraping back to reveal the paving elements and combines speed of application with exceptional performance.



GRANATECH

Instructions for Use

Preparation

All stone elements 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, 4 litres of water are required. For single bag mixes suitable mixing may be achieved using a high torque slow speed drill with a Mortar Stirrer. For larger mixes use a standard mortar mixer such as the Creatangle.

Pour the required quantity of clean water into the mixing vessel. Slowly add the Granatech to the water, continually mixing until a uniformly smooth consistency is obtained.

Placing

Prior to placing, joints should be wetted out, but any standing water should be removed. Granatech can be applied to joints of up to 25mm width however 8-15mm is the optimum. The mortar slurry should be placed within 30 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 may be poured over the stone elements safely, though it is advisable to dampen their surface prior to the commencement of application. Once placed the mortar should be left to stand for approximately 1 hour (dependant upon ambient conditions) though the surface must be kept damp. After 1 hour the mortar will gel allowing the setts and joints to be finished and cleaned using a soft brush and a continuous light water spray to remove any surplus material. Alternatively a proprietary belt cleaner may be used.

Granatech 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 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 is non-flammable

Yield

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

Storage and Shelf Life

Granatech 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 is supplied in 25kg valvesack bags:

	Product Code
Granatech 40 (Natural)	ELM 554
Granatech 25 (Natural)	ELM 551
Granatech 40 (Dark Grey)	ELM 552

For further information and sales please contact:

EasiPoint Marketing Ltd
Restoration House
Drumhead Road
North Chorley Industrial Estate
Chorley, Lancs
PR6 7DE

Tel: 01257 224900

EasiPoint Marketing Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the EasiPoint Marketing Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. EasiPoint Marketing 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.

www.easipoint.co.uk