

## POLYESTER PUTTY SUMMER / WINTER

### Product Codes

TP42S, TP42W, Packaging listed overleaf

### Description

Polyester Putty is a two component factory batched product. Component one is a polyester resin and component two is a catalysed filler specially designed to both fill and harden the resin mortar. Mixing of the two components produces a rapid setting compound. Two grades are available, Summer and Winter which may be used for working over a range of ambient temperature conditions from 0°C to 35°C. Polyester Putty is packaged ready for on site mixing. Once in place the putty rapidly gains strength to values exceeding concrete within one hour. Bonded units may be put into use within a time scale of one to two hours. The mix design of the product allows for full pack mixing or part mixes when required for smaller jobs. The mixed putty has good adhesion to most construction materials and is resistant to a wide range of chemicals including petroleum products plus road and aircraft runway de-icing salts.

**Uses include:** Rapid bonding and bedding of concrete, brickwork and masonry  
Rapid jointing of pre-cast concrete pipes and units  
Rapid fixing of steel inserts into precast concrete pipes and units

### Typical Properties @ 20° C

#### Compressive Strength

| TIME AFTER MIXING | 1 Hour              | 6 Hours             | 24 Hours            |
|-------------------|---------------------|---------------------|---------------------|
| SUMMER            | 55N/mm <sup>2</sup> | 75N/mm <sup>2</sup> | 80N/mm <sup>2</sup> |
| WINTER            | 50N/mm <sup>2</sup> | 70N/mm <sup>2</sup> | 75N/mm <sup>2</sup> |

#### Typical Values @ 24 Hours

Flexural Strength 20N/mm<sup>2</sup>  
Tensile Strength 10N/mm<sup>2</sup>  
Density 1900kg/m<sup>3</sup>  
Compressive Modulus 15kN/mm<sup>2</sup>

### Standards

Polyester Putty has been tested in accordance with the appropriate parts of the following standard: B.S. 6319

### Specification Outline

Repairs, resurfacing and fixing shall be carried out using Polyester Putty as manufactured by Tecroc Products Ltd. The product must be stored, handled and placed strictly in accordance with the manufacturer's instructions.

### Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9002:1994 and is assessed by SGS Yarsley International Certification Services Ltd.

### Instructions For Use

#### Preparation

Remove all dust, grease, paint, rust, laitance and any loose material from the work area to produce a sound clean surface. Smooth surfaces should be roughened to produce a mechanical key. The prepared substrate should be surface dry.

#### Mixing

Polyester Putty should be mixed in the ratio of one part resin by volume to three parts catalysed filler by volume. Place the resin in a suitable plastic or rubber mixing bucket. Slowly add the catalysed filler whilst continuously mixing. Mixing should be continued to achieve a smooth putty of uniform colour.

#### Placing

The mixed material should be placed as soon as mixing is complete as the chemical reaction of setting is rapid. Apply Polyester Putty to both surfaces to be bonded. Allow sufficient Polyester Putty to fill the joint thickness. Make the joint and support if necessary to keep required alignment.

#### Working Time

Polyester Putty Winter Grade at 20°C:

8 -12 minutes (above 20°C setting will be rapid)

Polyester Putty Summer Grade at 20°C:

18 - 22 minutes (below 10°C setting will be extended)

Polyester Putty of the required grade may be placed at ambient temperatures between 0°C and 35°C. For placing outside this range contact the Technical Service Department.

#### Curing

No special curing practice is required

#### Cleaning

Clean tools with Solvent before the Polyester Putty has hardened.



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin & Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

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# **POLYESTER PUTTY SUMMER --- WINTER**

## **Precautions**

### **Health and Safety**

Polyester Putty is a resin based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately.

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

### **Fire**

Polyester Putty is flammable.

Solvent is flammable.

Should fire occur extinguish with CO2 or foam.

## **Yield**

Polyester Putty is packaged in 14.5kg twin packs.

The yield of the 14.5kg pack is approximately 8 litres of mixed material.

## **Storage And Shelf Life**

Polyester Putty will have a storage life of 6 months in unopened containers when kept in dry temperate conditions. Storage at higher temperatures or high humidity may reduce shelf life.

## **Packaging And Ordering**

Polyester Putty is supplied in :

14.5kg packs Summer Grade Product Code TP42S

14.5kg packs Winter Grade Product Code TP42W

Solvent is supplied in:

5.0 litre cans Product Code TM02

1.0 litre cans Product Code TM08

For further information and sales please contact your local Tecroc Products office as listed below.

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

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