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^2	75N/mm^2	80N/mm^2
WINTER	50N/mm^2	70N/mm^2	75N/mm^2

Typical Values @ 24 Hours

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

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 Parex Ltd. The product must be stored, handled and placed strictly in accordance with the manufacturer's instructions.

Quality Assurance
Parex Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2008 and is assessed by UK CARES 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.

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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.

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

The yield of the 14kg pack is approximately 7 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 :
14kg packs Summer Grade Product Code TP42S
14kg 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 Parex office as listed below.

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