

## Product Code

TP43 Packaging listed overleaf.

## Description

Dry Pack C is a Portland cement based powder mix including special shrinkage compensating components. The mixed material produces a mortar, which may be rammed into gaps between concrete units, without the use of shuttering, to create a supporting fill.

The factory batched product is ready to use and only requires the addition of water on site. The incorporation of shrinkage compensating additives ensures that the placed mortar maintains contact within the filled section. The mortar is chloride free and can be safely used in contact with reinforcing steel.

Dry Pack C can be used for placing in horizontal and vertical gaps and may be rammed into place within gaps of 5mm to 100mm.

### Uses include:

- All dry packing applications.
- Support of pre-cast concrete units.
- Placement in gaps to form a fill without the use of shuttering.

## Typical Grout Properties @ 20°C

### Compressive Strength

#### Water addition:

2.0 Litres per 25 kg bag Dry Pack C

1 Day	3 Day	7 Days	28 Days
20N/mm <sup>2</sup>	35N/mm <sup>2</sup>	40N/mm <sup>2</sup>	50N/mm <sup>2</sup>

**Density** 2150-2250 kg/m<sup>3</sup>.

**Setting Times** Initial: 210 minutes  
Final: 240 minutes.

## Specification Outline

Dry packing operations shall be carried out using Dry Pack C 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 business management system. This is externally accredited by UK CARES to BS EN ISO 9001:2015, BS EN ISO 14001:2015, BS ISO 45001:2018 and BES 6001.

## Standards

Dry Pack C has been tested in accordance with appropriate parts of the following standard: EN 12390.

## Instructions For Use

### Preparation

Contact surfaces should be sound, clean and provide a mechanical key. Remove all loose material, plaster, paint and oily deposits.

### Priming

The prepared surfaces should be pre-dampened. Remove any standing water before placing the Dry Pack C mortar.

### Mixing

Dry Pack C is supplied in 25kg bags. The water requirement to produce the mortar is: 2.0 to 2.5 litres of water per 25kg bag. Pour the required quantity of water into a suitable mixing vessel. Slowly add the powder to the water whilst continuously mixing. Mechanical mixing is recommended. Suitable mixers include a slow speed high torque drill with a Mortar Stirrer or a forced action mixer such as Creteangle or Mixal. Mixing should be continued to form a mortar of consistency suitable for ramming into place.

### Placing

Place the Dry Pack C mortar firmly into the prepared gap in layers. Use a suitable ramming tool to ensure complete filling of the gap and compaction of the mortar. Repeat this operation until the void is completely filled and compacted. Allow the mortar to stiffen then finish the exposed surface with a dampened steel trowel.

Dry Pack C may be placed at temperatures between 5°C and 35°C. For application at temperatures outside this range contact the Technical Service Department.

### Curing

Curing of exposed surfaces should be undertaken in accordance with good concrete practice. Suitable methods of curing include water spray, polythene sheeting and spray applied concrete curing membrane such as Polycure.

## Precautions

### Health and Safety

Dry Pack C 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 Product Safety Data Sheet.

### Fire

Dry Pack C is non-flammable.

### Yield

Each 25kg bag of Dry Pack C will yield approximately 12 litres of mixed material.

### Storage And Shelf Life

Dry Pack C 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 or high humidity may reduce shelf life.

### Packaging And Ordering

Dry Pack C is supplied in:

25kg valvesack bags    Product Code TP43

Polycure is supplied in:

5 Litre polybottles    Product Code AF03

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

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