



# Conservation Grouts - General Data Sheet

## PRODUCT

Ready mixed Conservation Grouts, used for consolidating and void filling of solid masonry.

Binder Strength – made using NHLs or CL90 and pozzolans; to meet a projects requirements.

Roundtower Conservation Grouts will suit most historic masonry and conditions.

Factory blended grout using lime binders, Silica and Clays, combined with carefully selected additives to improve the grouts physical and mechanical properties. Roundtower Conservation Grouts are free from cement.

Roundtower Conservation Grouts are made to order, please allow for manufacturing lead time.

## USAGE

Our Conservation Grouts are supplied as a single component dry bagged product that is mixed with water on site to make a fluid grout that can be both pumped and gravity poured.

All of our Conservation Grouts have a high flow rate and high stability.

Suitable for applications in building conservation where the strength of grout is appropriate for the host material.

For specific application data please contact the manufacturer.

## COVERAGE

After mixing, a bag will produce approximately 19-20 litres of mortar if made with NHL. Lime pozzolan blends are variable based on the pozzolan used and will produce between 20L and 35L per bag.

## ADVANTAGES

- Quality controlled production.
- Ready to use (add water).
- Free from cement.
- Can be pumped or gravity poured.
- Consistency of mix ratio and working additions.
- High flow and high stability.
- Available in a range of strengths to suit the host fabric.

## PREPARATION

In general, this will be determined by the purpose and application.

The purpose of a grout is to fill voids within the core of the masonry. Whilst it is a relatively straightforward application we would expect appropriate preparation in accordance with best practice.

It is important that the masonry is of a suitable condition to receive the grout and the masonry has been adequately flushed with clean potable water prior to grouting.

We advise that all necessary housekeeping measures are in place for the monitoring and control of the grout, which has the ability to flow considerable distances under the right conditions.

We would recommend that appropriate amounts of clay and/or cotton wool are on site to plug any leaks as and where they might occur.

Please consult manufacturer for further information.

## MIXING

We assume that the grout will be mixed using suitable mechanical equipment.

A bag of Conservation Grout will require 8.5 to 12 litres of clean potable water. The water addition will vary according to the application and desired consistency of the grout.

As a dry mixed material, it is possible that some settlement or separation may occur in the bag during transit; when mixing part bags, it is especially important that the dry contents are thoroughly blended prior to mixing with water.

**Best Practice/Advised Mixing** - First add water to a mixing bucket/tub, followed by the Conservation Grout. Using a plasterer's mechanical mixer (or other appropriate mixer) mix the grout thoroughly for a minimum of 2 to 3 minutes, ensuring a lump free mixture. Mix until the desired consistency appropriate to the method of placing.

Only mix immediately prior to application. Once mixed, the grout should be regularly remixed as they are thixotropic, this means they will thicken over time if not kept under sheer mixing conditions; this is not a set and it will turn back to a liquid with agitation if the material is left to stand. This can be a problem if pipes are left filled without movement for extended periods.

For further information please contact the manufacturer.

## PACKAGING

This product is supplied in polythene lined paper bags. Pallets contain variable bag numbers depending on the grout chosen, but are typically packaged to a tonne per pallet. Bags will weigh no more than 25Kg.

The paper used is of prime quality and suitable for recycling, the packaging is a mixed material and should be recycled accordingly.

## STORAGE

This product should be stored in dry conditions, in unopened bags and clear from the ground. Always protect bags from water and damp. Use within 6 months of manufacturing date (provided on each bag).

## HEALTH AND SAFETY

**RISK PHRASES:** R36 / R37 / R38 / R43

- Avoid contact with skin and eyes.
- Contact with wet mortar may cause irritation, dermatitis and/or burns.
- Contact between lime powder and body fluid (sweat, eye fluid etc.) may cause skin burns and respiratory irritation, dermatitis or burns.

**SAFETY PHRASES:** S2 / S24/25 / S26 / S37

- Avoid eye and skin contact by wearing suitable eye protection, protective clothing and gloves.
- Avoid breathing dust.
- Keep out of reach of children.
- On contact with skin and/or eyes, rinse immediately with clean water and seek medical attention.

**DECLARATION:**

- Roundtower lime mortars for renders and plasters are manufactured to the requirements of BS EN 998-1: 2016.
- Roundtower lime mortars for masonry mortars are manufactured to the requirements of BS EN 998-2: 2016.
- These products will contain no cement whatsoever.

**All Roundtower products are CE marked and manufactured under an ISO9001:2015 accredited Factory Production Control System.**