

THORO[®] DRYJOINT

Waterproof Pointing Mortar For Brick, Stone, Concrete And Other Masonry

Description of Product

THORO[®] DRYJOINT is a waterproof pointing mortar, polymer modified to control shrinkage for pointing joints in brick, stone, concrete or masonry.

When mixed with clean water or an THORO[®] ACRYL 60/water blend (1 part THORO[®] ACRYL to 3 parts water), THORO[®] DRYJOINT is suitable for either trowel or gun application.

Fields of Application

THORO[®] DRYJOINT is used for:

- Re-pointing brick joints
- Waterproof jointing of concrete sewer and drainage pipes

Features and Benefits

- Polymer modified to control its shrinkage
- Waterproof; prevents damage by freeze/thaw cycles, the main cause of deterioration to pointing
- Durable; eliminates the need for constant maintenance
- Ease of mixing and application reduces labour costs
- Durability and wear resistance are improved when mixed with THORO[®] ACRYL 60/water blend (1 part THORO[®] ACRYL to 3 parts water)

Technical Data/Typical Properties^(a)

Wet Density, kg/m ³	2170
Pot life, minutes	90
Final setting time, minutes	215
Compressive strength, N/mm ²	45
Tensile strength, N/mm ²	3.7
Flexural strength, N/mm ²	6.6

^(a) Typical values at 20°C

Colours

Available in Grey

Application Procedure

Preparation

All joints to be replaced should be raked back to a depth equal to the joint width plus 50%, or deeper, until solid material is encountered. All loose residue should then be flushed out with clean water or compressed air.

Mixing

Liquid Requirement

THORO[®] DRYJOINT can be mixed with clean water or a blend of water and THORO[®] ACRYL 60 (1 part THORO[®] ACRYL 60 to 3 parts water). Water only is sufficient for most applications. Where increased physical properties are required or where drying conditions are severe, the addition of THORO[®] ACRYL 60 is advised.

When mixing with water only, the maximum quantity is 4.0 litres of clean water per 25kg of THORO[®] DRYJOINT powder.

When adding THORO[®] ACRYL 60 (1 part THORO[®] ACRYL 60 to 3 parts water) the liquid requirement is lower, with a maximum of 3.6 litres per 25kg of powder.

THORO[®] DRYJOINT can be mixed to a stiff mortar consistency that is suitable for application with a pointing trowel or to a more workable consistency for mechanical or hand mortar-gun application, taking care not to exceed the maximum liquid requirement.

Power Mixing

Blend the powder into the mixing liquid. Use a suitable mixing paddle attachment in a slow speed drill (400-600rpm). Let the THORO[®] DRYJOINT mix stand for 10 minutes to allow full saturation to take place. Re-mix, adding a small amount of liquid if necessary to obtain the required consistency.

Hand Mixing

Add the mixing liquid to the powder whilst stirring with a trowel or paddle. Let the THORO® DRYJOINT mix stand for 20 minutes to allow full saturation to take place. Re-mix, adding a small amount of liquid if necessary to obtain the required consistency.

Note:

It is of particular importance to allow the THORO® DRYJOINT mix to stand when applying by mortar gun, as stiffening of the mortar could occur within the equipment. The mixed mortar can be re-mixed up to 90 minutes after the initial mix. *Do not re-mix once setting has started or add liquid in excessive amounts.*

Application

Do not apply to frozen substrates or if the ambient temperature is below 5°C or expected to fall below 5°C within 24 hours.

Dampen the prepared joints, making sure there is no free-standing water. Push the THORO® DRYJOINT mortar firmly into the joint with a pointing trowel, taking care to ensure complete compaction. Alternatively, for faster application, place THORO® DRYJOINT mortar in a mechanical or hand mortar gun, extrude the mortar, filling the joints from the back towards the surface.

Leave placed mortar to stiffen before tooling to the desired finish.

Curing

The applied THORO® DRYJOINT mortar should be dampened frequently once sufficient hardening has taken place.

Protect against rain until set.

Coverage

Approximately 25kg of THORO® DRYJOINT powder fills a joint 10mm x 15mm x 87.5m long.

Packaging

THORO® DRYJOINT is available in 25kg bags.

Storage

THORO® DRYJOINT should be stored under cover, clear of the ground and stacked not more than 6 bags high. Protect the materials from all sources of moisture and frost.

Shelf Life

Rotate stock in order not to exceed the shelf life of 6 months.

THORO® DRYJOINT Degussa Construction Chemicals UK Version 4

Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

Powder Products

Should be handled to minimise dust formation; use light mask if excessive dust unavoidable. Cement powders when wet or moistened can cause burns to skin and eyes, which should be protected during use.

Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

Spillage

Chemical products can cause damage; clean spillage immediately.

Disclaimer:

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