Stormdry® Repointing Additive No.2

Product Description

Stormdry® Repointing Additive No.2 is a flexible waterproofing admixture that is diluted with water before being added as a gauging solution to sand:cement repointing mixtures. It is suitable for use where flood protection is required or there is a high incidence of driving rain.

Benefits

- Improves flood resistance
- Significantly reduces the liquid water absorption of masonry
- Easy to mix into the repointing mortar mixture
- Functions with cement and lime based mortars

Properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>White/milky liquid</th>
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</thead>
<tbody>
<tr>
<td>Size(s) &amp; Packaging</td>
<td>500 ml bottles</td>
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<tr>
<td>Coverage</td>
<td>One 500 ml container will provide sufficient mortar to repoint an area of approximately 2.5 m² of masonry.</td>
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<tr>
<td>Storage</td>
<td>Store in a cool, well ventilated area. Keep container tightly closed. Protect from frost</td>
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<tr>
<td>Shelf Life</td>
<td>12 months</td>
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Effectiveness

Testwork demonstrates that repointing with Stormdry® Repointing Additive No.2 and applying Stormdry® Masonry Protection Cream to a wall can greatly reduce the flow rate of water through it. E.g. At a flood water height of 0.6 m, the flow rate through a single skin Fletton brick wall is reduced from 12.5 litres/m²/min to less than 0.2 litres/m²/min.

General Notes

Guidance on repointing walls and choosing an appropriate repointing mixture can be found in the BRE Good Repair Guide 24, “Repointing External Brickwork Walls”. It is recommended that anyone carrying out repointing work should be familiar with this document.

Application Information

Preparation

Joints should be raked out squarely to a depth of twice their width. This should result in a depth of approximately 15 – 25 mm, and never more than 35 mm. The joints should then be brushed out to ensure that the repointing mortar can form a good bond.
After shaking the bottle, Stormdry® Repointing Additive No.2 should be diluted with clean tap water before use in the ratio 1 part Stormdry® Repointing Additive No.2 to 4 parts water by volume. (Lime:sand mortars can be waterproofed using the same ratio of 1 part Stormdry® Repointing Additive No.2 to 4 parts water by volume. Grade NHL 5 hydraulic lime should be used.) The resulting gauging solution should be added to the chosen sand:lime:cement mix or masonry cement/sand mix (see above) to attain workability.

To avoid shrinkage it is important to add the gauging solution carefully to ensure that only the minimum quantity necessary to attain workability is used. Once mortar has started to set and has become unworkable it should not be “knocked up” by adding more gauging solution. For this reason, only small batches of mortar should be mixed at a time.

**Application**

Before the repointing mortar is applied, raked out mortar joints should be wetted – e.g. by flicking water using a wet brush. The repointing mortar should be applied into the raked out joint using a suitable pointing iron or repointing gun and tooled firmly. Where deep mortar joints are being repointed this may need to be done in two stages to achieve good compaction.

Wherever possible it is beneficial to tool the mortar to a “bucket handle” finish as this provides the best durability and weathertightness.

The curing time will depend to a large extent on the chosen repointing mix (e.g. mixes containing cement will cure more quickly than those based on pure lime.) During the curing period mortar should be protected from frost and should be prevented from drying out too quickly. In dry, windy, or warm weather it may be necessary to spray the surface of the wall occasionally or cover the wall with damp hessian to allow a proper set, particularly where a lime mortar has been used.

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