



Cathedral Stone® Products, Inc.

The leader in scientific masonry restoration

CSP Adhesive

CSP Natural Adhesive is a cementitious based material that contains no latex or acrylic bonding agents. MasonRe Adhesive provides a very strong and long lasting bond between a variety of masonry substrates. CSP Natural Adhesive is specifically designed to reattach broken, loose or spalled stone. To enhance performance and bonding, a small amount of synthetic material is included.

Features and Benefits

- **Single-Component:** Easy to mix correctly, thereby improving quality control at the point of application.
- **Tenacious Adhesion:** Strong bonding capabilities.
- **Factory Controlled:** No field chemistry resulting in product variation.
- **Water Based:** Environmentally and user safe. No solvent clean up or disposal problems.

Application Procedures

Preparation

Wash the surface of both substrates to be bound using clean water to remove all dust, loose or deleterious material, which could prevent proper adhesion.

Mixing

The mixing ratio may vary depending on the application. Apply water to the CSP Natural Adhesive until the desired consistency of paste is achieved. Enough water should be added so there is no powder remaining. The quantity of water added should not exceed the quantity of CSP Natural Adhesive powder.

Application Procedures

Moisten the substrate using clean water. CSP Natural Adhesive should be applied to glistening wet surface on vertical application and a well dampened surface (with no pooling water) on horizontal surfaces. If the surfaces are allowed to dry out before applying CSP Natural Adhesive this step must be repeated. Apply a small amount of CSP Natural Adhesive to one of the substrates with a trowel or other appropriate tool. Be sure to coat any dowels or pins with CSP Natural Adhesive as well. Firmly press the pieces together. Use a clamp or other method to ensure contact is not broken between the substrates. Do not disturb the repair until curing is complete; usually 24 hours.

Clean Up

Remove uncured mortar from the perimeter of the repair before it dries using clean water and a rubber sponge. **Repeat several times with clean water to prevent a halo effect (staining of adjacent masonry).**

Safety Requirements

It is recommended that safety goggles, gloves, and a dust mask equipped with P-2 filters (or equivalent) be worn for protection while mixing the grout.

Limitations

- Do not apply CSP Natural Adhesive to a frozen or hot substrate. The applied product must be protected from extreme heat, freezing, excessive wind, direct sunlight, and rain. Ambient temperature range should be 40° F to 90° F with low to average humidity.
- Do not add bonding agents to CSP Natural Adhesive or use them as surface preparation materials.

Packaging

A 2 gallon plastic holds approx 19 lbs of material.

Storage and Shelf Life

Store material in a dry place away from direct sunlight. Ambient storage conditions should be in the range of 40° F to 90° F with low to average humidity. Average shelf life is 10 years in original, unopened packaging.

Technical Data

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| Compressive strength | 2 days approx. | 3600 psi |
| | 3 days approx. | 6400 psi |
| | 7 days approx. | 7400 psi |
| | 28 days approx. | 9000 psi |
| Tensile strength | 28 days approx. | 360 psi |
| Concrete granular size | | Smaller than 6.3E-04 inches |
| Specific gravity | | 1.77 |

Warning

Not for internal consumption. Keep out of reach of children and animals. Consult Material Safety Data Sheet (MSDS) for specific information.

Notice: The information contained herein is based on our own research and the research of others, and it is provided solely as a service to help users. It is believed to be accurate to the best of our knowledge. However, no guarantee of its accuracy can be made, and it is not intended to serve as the basis for determining this product's suitability in any particular situation. For this reason, purchasers are responsible to make their own tests and assume all risks associated with using this product.

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