



Mixing Instructions

TL0964 Brush Mix Dry

Part Number: 0072-0016

Before Placement/Storage

1. Refractory must be covered and stored in a dry location.
KEEP MATERIAL DRY WHILE IN STORAGE
2. Make sure that the mixing equipment is clean and in good working condition. A planetary type paddle mixer or metal drill mixer is recommended for mixing. A 1/2" drill with a minimum of 7 Amps and 500-800 RPMS is recommended.
3. The water used for mixing must be clean and drinkable and have a neutral pH. Water with a high pH (alkaline) will cause a very fast set and water with a low pH (acidic) will cause very slow setting or no set. The ideal pH range for water must be between 6 and 8. Water temperature should be between 50°F and 80°F.
4. Check the dry refractory temperature prior to mixing. The temperature of the dry refractory should be between 50°F and 80°F. if refractory has been exposed to temperatures below 40°F, it is recommended that the refractory be heated to the recommended temperature range prior to mixing.
5. If refractory has been in storage for a period of time, check the bags for evidence of moisture such as hardened material or water stains on bags. Do not use bags that are torn open or have hardened refractory.
6. Record bag code dates on bags and know water addition prior to mixing. To calculate the water addition, multiply the weight of the material to be mixed by the percentage of recommended water to NI used. The weight of water is 8.3 lbs per gallon so 16 lb material requiring 13.0% water yields $(16 \times .13)/8.3 = .25$ gallons of water.

Mixing

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| Planetary Type Paddle Mixer | Mix with 10.0 wt% water addition for 4 minutes. Additional water may be added to adjust consistency. |
| Drill Mixer | Mix with 13.0 wt% water until all of the material has come to a slurry consistency. Mix for an additional 1-2 minutes after this. Additional water may be added to adjust consistency. |

Placement

1. Mix only the amount of material that can be placed in 1-2 hours.
2. Apply up to a 1/4" thick to area with a brush, trowel, rubber float, roller, aprayer, etc.

After Placement

1. Allow to air dry uncovered for at least 24 hours after placement.

For Additional Information, contact your local Resco Sales Representative.

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