

Instructions for Installing and Heating Ramming Mixes Using the Wet Method

Ramming mixes are installed by compacting the material in place. The following instructions shall be strictly observed during installation.

1. Use of Formwork

When installing the ramming mix on walls, roofs, and arches, rigid framework shall be used. It should be noted that the framework is not be damaged during installation.

2. Ramming Procedure

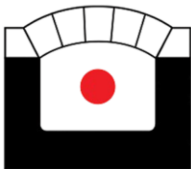
The ramming mix shall be compacted using either hand rammers or pneumatic rammers fitted with metal heads. The shape and size of the rammer head shall be selected according to the installation location, standard rammer heads are commonly used for specific applications.

The contents of one or more bags shall first be thoroughly dry-mixed to ensure uniform distribution of particles. The material shall then be moistened and used for installation. During feeding the material shall be installed continuously and uniformly.

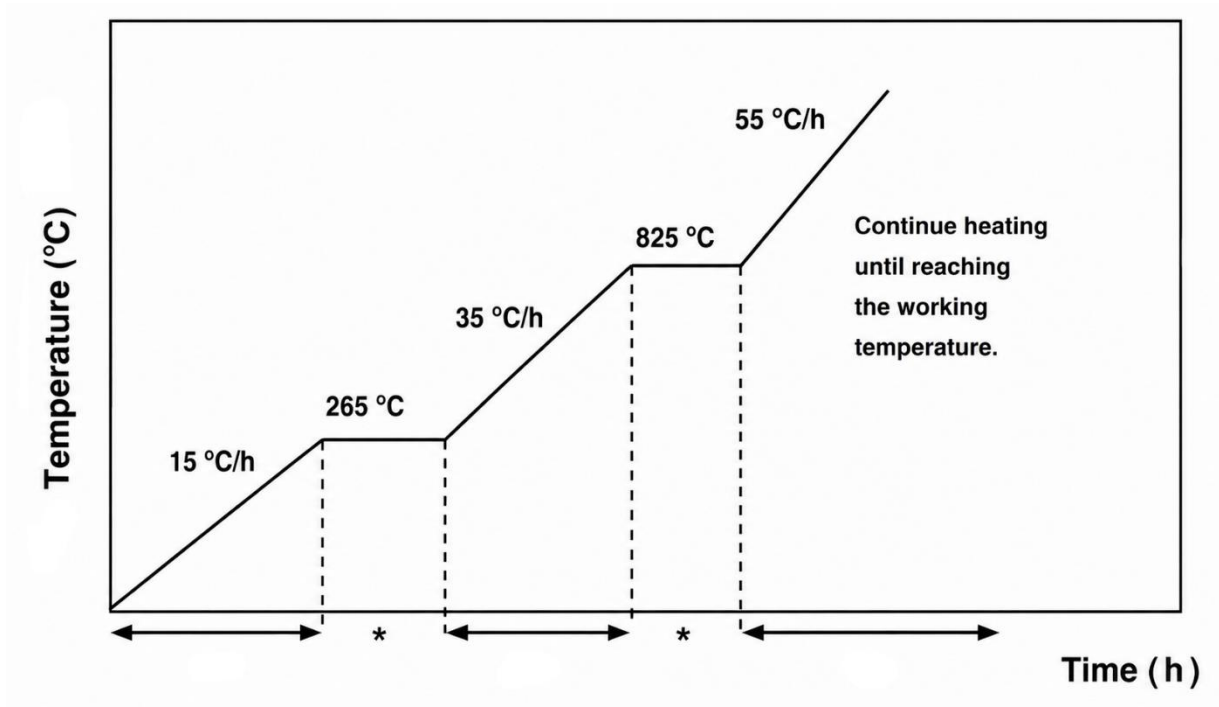
After each layer has been rammed, the smooth surface formed by compaction shall be scored in several directions to a depth of approximately 6 mm using the tip of a steel rod. This ensures that the next layer bonds properly with the previous one and prevents lamination.

Ramming should be carried out as nearly perpendicular to the working surface as possible. It should be noted that the ramming operation does not cause lamination parallel to the working surface.

Proper installation is achieved when the ramming mix is fully compacted and free from lamination. The adequacy of compaction at each stage can be evaluated by observing the surface condition after ramming. Ramming should continue without interruption until completion. However, if work must be suspended for more than one hour, the exposed surface of the compacted material shall be covered with a damp cloth to ensure proper bonding when installation resumes.



3. Heating Graph



* Hold for one hour per 2.5 cm of lining thickness.