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Attn: Joint Filling Contractors

Ref: SealBoss JointMaster Pro2 / SealBoss Quickfix Product Line

Dear Contractor:

SealBoss Corp. would like to offer some pointers and advice when using the JointMaster Pro2 and SealBoss Quickfix product line. By following the basic application and maintenance steps to follow, your crew will have some of the necessary knowledge required for a successful joint filling application.

JointMaster Pro2:

- be sure to discard material through static mixer until a uniform mixture is achieved in order to eliminate any uncured sections (this must be done for each mixer replacement)
- concrete an joints must be dry! Any moisture content at the time of application can and will cause Joint protrusion as the moisture evaporates through the slab and joint
- Replace mixers. The pump is not designed for pressure, rather simply to dispense the product at a 1:1 ratio (any obstruction or cured material in the hoses, pumps, or mixers can cause back pressure which can blow seals and throw the ratio off
- clean the manifold and pumps with using grease zerks provided. The applicators must replace the mixer after each break, and clean the entire pump every night.
- shave the cured material. A slight overfill followed by shaving the excess is the best way to achieve a uniform, flush finish
- Open tank valves during use. If the valves on the top of the pump are closed during operation, it could cause a suction effect which then distorts ratios.

QuickFix Application:

Below is some detailed information per the American Concrete Institute (ACI) for industrial floor joint filling.

Installation Depth:

- ACI standards call for semi-rigid industrial floor joint fillers to be installed at full joint depth in saw-cut control joints or 2” minimum in joints deeper than 2” In joints deeper than 2”, do not use foam backer rod as it may deflect under load, exposing joint edges. Instead, use silica sand and fill to within 2” of floor surface or a backer rod can be place in compression at a depth of 2” below the surface because it is now not supporting the material.

Preparation:

- Joints should be completely free of concrete debris and should be cleaned to the full depth of 2” minimum. The preferred method of cleaning is to use a dustless concrete saw with a diamond blade. The blade should hit both joint walls in one pass or should be run along both joints walls separately to ensure that walls are restored to clean concrete.

Separation:

- Separation can occur cohesively or adhesively. Adhesive separation occurs when the filler breaks bond with the joint walls while cohesive separation occurs within the material itself. In both cases, we recommend that refilling these voids when they appear to compromise joint protection.

Note: All joint fillers experience adhesive/cohesive separation under significant movement, presence of water, and/or inadequate preparation. The key to all applications is to minimize these occurrences through adequate technical information and techniques.

Additional Resource: http://www.bpesol.com/bachphuong/media/images/book/2243r_95.pdf

If you have any further questions please do not contact one of our experienced technical representatives at 877-932-2293 or by visiting www.SealBoss.com.