

INMAR CORP.

With subcontracted services provided by:

C.D. PRODUCTS, INC.

EPOXY, URETHANE & FIBERGLASS FLOORING AND LINERS

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FROM TIME TO TIME YOU MIGHT RUN INTO A REQUIREMENT TO COAT A MASTER PLATE- METAL SHAKE- FLOOR. HERE IS HOW, EVEN IN THE WORST CIRCUMSTANCES, WE CAN DO THIS.

PROBLEM

WE ARE ASKED TO COAT A STEEL SHAKE (MASTER PLATE) FLOOR WITH BOTH OIL AND EXCESSIVE MOISTURE VAPOR COMING THROUGH IT.

SO WE NEED TO:

1. Barrier off the moisture vapor transmission through the floor (which is above the MVT level a coating can tolerate. note: the usual MV testing procedures will likely give a false low reading.)
2. Barrier off the oil pecculating up through the floor.
3. Securely attach to the steel floor surface.
4. Do the work as odorlessly as possible.

There is no mechanical – ie shot blasting or terrazzo grinding- preparation method in existence that will prepare the floor against these conditions. Total removal of the steel shake is expensive, and it has been installed for wear and should to be left intact. **So we need both a mechanical and chemical preparation approach.**

We need to get a solid attachment to the steel (which of course has flash rusted) and install both a moisture and oil barrier. **Neither our MVP primer or our Oil Stop Primer will penetrate past the steel shake to the concrete.**

SO HOW DO WE DO IT?

FIRST CLEANING

We use our XA-201 DETERGENT ACID to clean the floor through to the concrete under the metal shake. The XA-201 is nearly odorless and the spend material is biodegradable – only a few detergents remain after the work- and is routinely disposed of via sanitary sewer. This leaves the concrete nearly white so we can see where the oil is coming up.

OIL AND WATER BARRIER

We apply our Drycrete Concrete primer RIGHT AFTER THE XA-201 IS RINSED OFF (with metal coupling agents added to it) to go past the steel shake and form a barrier against moisture from coming up. It also causes any oil in the top surface of the concrete to be forced up and out of the concrete for easy removal.

SECOND CLEANING -THE NEXT DAY -IF NEEDED

We use our CD-103 OIL GREASE AND INK DISSOLVER to remove all oil and then rinse the residue off. This is odorless and the wash is biodegradable and harmless, so it can be disposed of in a sanitary sewer.

BUZZ GRINDING- WHEN THE SURFACE IS DRY.

We use our grinders to buzz the surface (like a giant sander) to remove flash rust from the metal shake surface top.

EPOXY ATTACHMENT TO STEEL – THE DAY OF THE BUZZ GRINDING.

We use our SURFPREP 103 to put chemical bond sites on the metal surface. This material has space age coupling agents in it that allow (in this case steel to epoxy) dissimilar materials to securely and chemical bond to one another.

COATING- THE DAY OF THE EPOXY APPLICATION.

We apply our #4110 100% solids epoxy – a very high performance cycloaliphatic epoxy - to the treated steel surface and to the Drycrete treated concrete between the steel particles to get a secure bond to all.

In all cases the work is odorless with the exception of the attachment agent which is in a solvent. As we use very little to get the needed bond site application, that total odor is minimal.

Note if an odorless top coat with texture agent is needed we can do it. **ALSO, if we do not have the master plate to deal with this is still a terrific approach.**

LET US KNOW
TOM HENNESSY