SHERWIN WILLIAMS | HIGH PERFORMANCE FLOORING

# Poly-Crete MDB

Application Details for Suspended Slabs

All drain structures in Sherwin-Williams floor areas on suspended slabs – above grade floors – receive a two coat membrane coating. The first coat MUST be installed between the drain flanges. Installation details can be found on the following pages.

Typical drain on a take-over space example

Floor is cored to receive the drain unit seen above.

The drain will sit in the core and be attached to the drain pipe below the floor. The height of the drain body in the cored out opening will vary from location to location. Note it this picture there is a void under the drain and around the edge of flange and core

## Poly-Crete MDB Details – cont'd.

It is important to discuss with the GC that the drain needs to be set into a non-shrink grout bed so underneath the drain structure there is material up to the bottom of the flange (wide part of drain body) but not over the flange. The grout bed should be up to the bottom of the flange ring and no void between the wall and flange edge. The area above the drain flange will be prefilled with Poly-Crete WR after membrane installation.

Drain grouted up to the bottom of the flange. This allows for the membrane to carry over this area properly and for a more secure drain body. Picture shows drain with top flange and strainer removed.

Drains should be cemented into place as seen below. Typically the floor will slope/recess down to the drain as well as seen below:

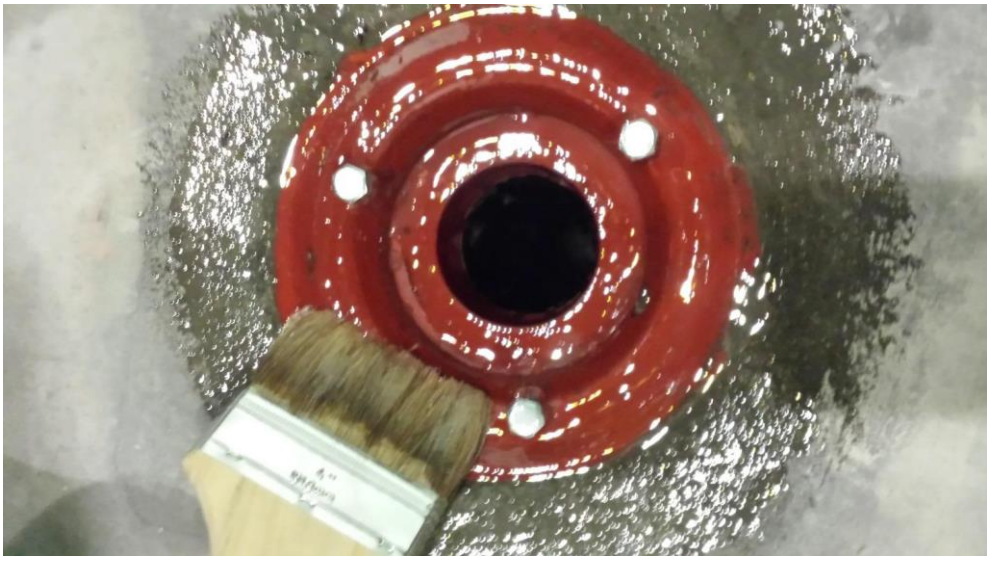
Here you can see the recessed concrete around the drain (red lines indicate slope). This area will need to be prefilled with Poly-Crete HF after membrane application.

This is a close up of the drain flange without the strainer attachment. Construction varies from site to site, but this is a general example for new construction.

# Poly-Crete MDB Details – cont'd.

## Installation membrane

Membrane is to be installed in two coats of 15-20 mils each. The first coat is installed on the concrete floor around the drain, down the vertical side of the concrete floor if the floor is cored out and over the bottom flange of the drain. Installing over the bottom flange requires loosening the bolts and removing the top flange. THIS MUST BE DONE WITHOUT EXCEPTION.



Once the bottom flange is coated, coat the corresponding top flange and re-install the top flange. Do this while the coating is wet and a good seal can still be made. This is creating gasket seal between the two components.

Both sides coated

Flange reinstalled

# Poly-Crete MDB Details – cont'd.

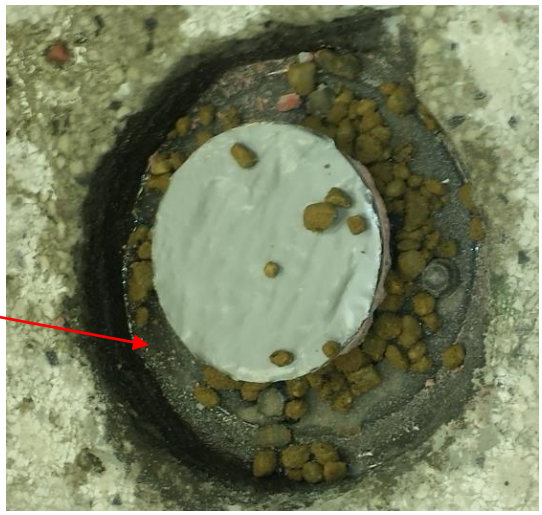
**Installation of membrane**

After the first coat is tack free, the second coat is applied and flintshot broadcast into it for proper adhesion of the Poly-Crete WR prefill around the drain. The second coat should cover the same concrete areas and carry over the top of the drain flange and bolts. Take care not to run coating down weep holes.

**NOTE: Plumbing contractor needs to set final strainer drain height before your second coat of membrane is applied.**

**Pea Gravel over weep holes**

The weep holes of the drains need to be covered with pea gravel as shown to the right. This allows for any water that would run down the outside of the drain body to access the drain.



Pea gravel surrounding weep holes

Weep hole in drain typically 3 or 4 in the top of the drain flange.

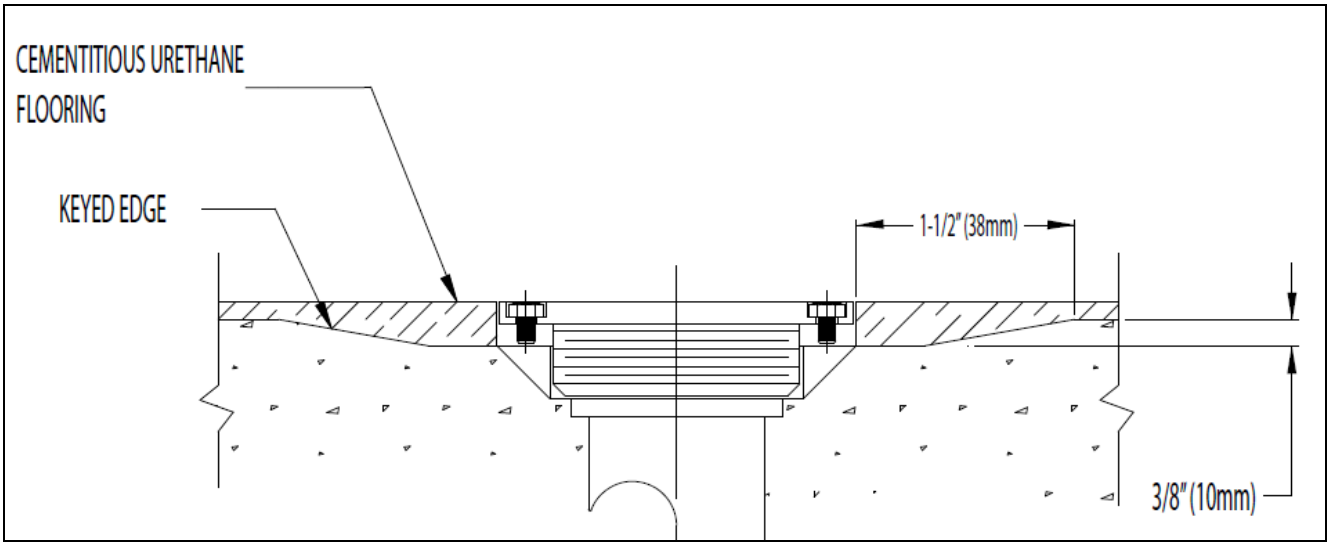
## Poly-Crete MDB Details – cont'd.

**Backfill around drain depression**

Using Polycrete WR – back fill around the drain to bring it up to floor level and flush to the top of the drain cover.

Poly-Crete WR flush to concrete and drain strainer

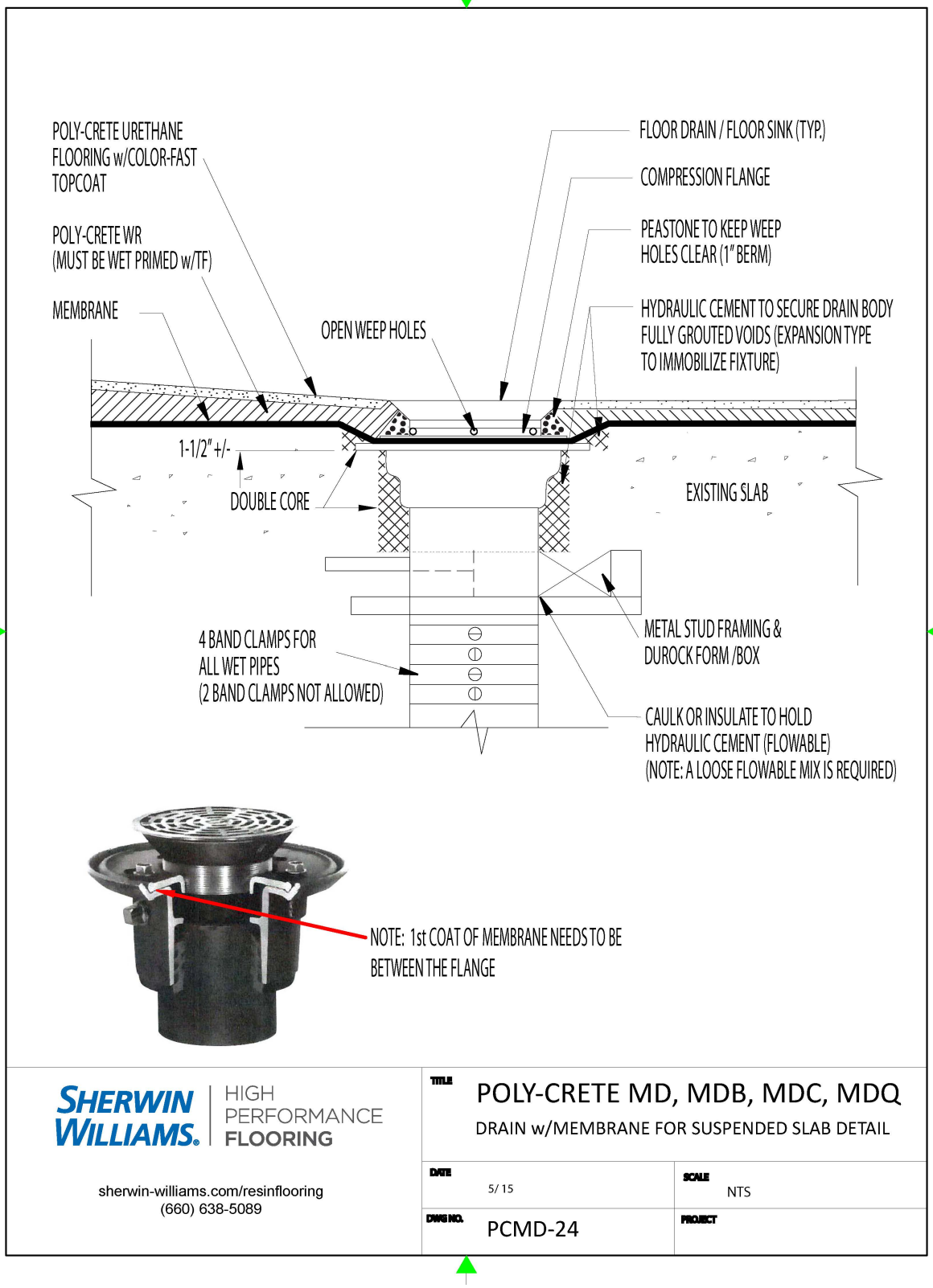
Once cured, key in around the drain before installing the Poly-Crete MDB.



## Poly-Crete MDB Details – cont'd.

**Overall Installation detail for membrane**

Detail below of the overall general approach from the previous pages. Again this is only for suspended slab applications.



## Urethane MDB Pictures

Kitchen floor examples

## Urethane MDB Pictures

Bar floor examples: