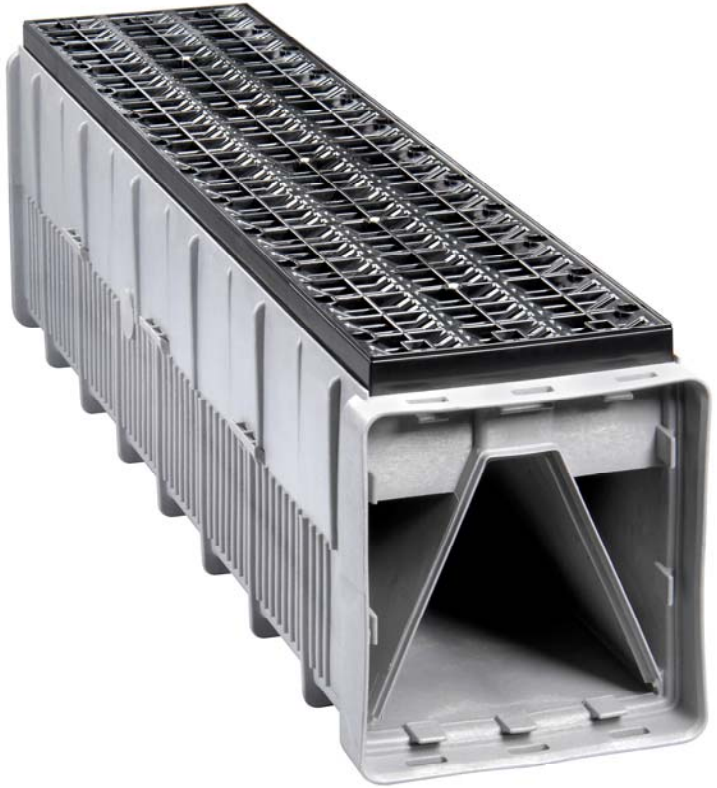
Installation Procedure for Installing IMS 200 media retainer on existing Type S Underdrain System – San Angelo TX



Type S Underdrain with IMS 200 media retainer

Step 1 – Remove existing filter media from filters and clean debris from the underdrain

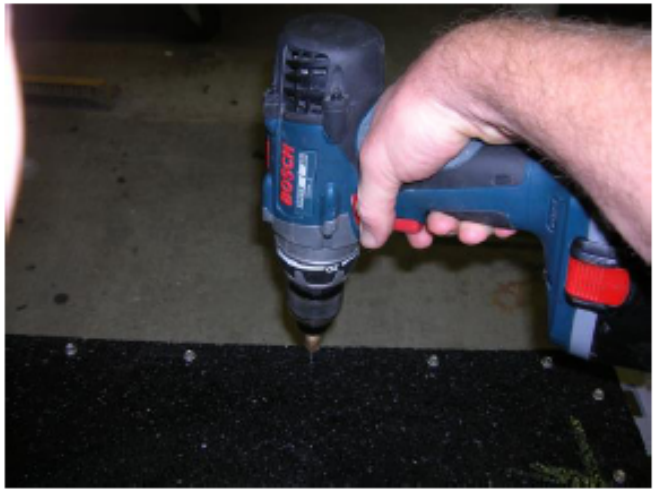
Procedure for Field Installation of I.M.S® Media Retainers

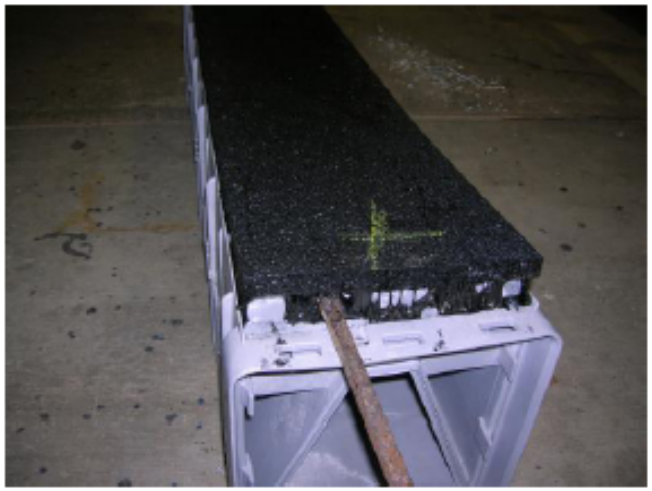
1. Using a shop-vac clean all media and debris from the underdrains/media retainers.

2. If required, remove the grout fillets at ends of the underdrain laterals for cap removal.

Step #2 – Remove existing IMS Cap – 28 screws per filter block.

3. As shown in pictures #1 & #2, remove all screws from cap to be removed using a 5/16" hex socket attachment to drill. The cap may require a pry bar to separate it from the underdrain after the screws have been removed. After removal all screws and caps can be discarded.





Pictures #1 & #2: Cap removal and separation form the underdrain

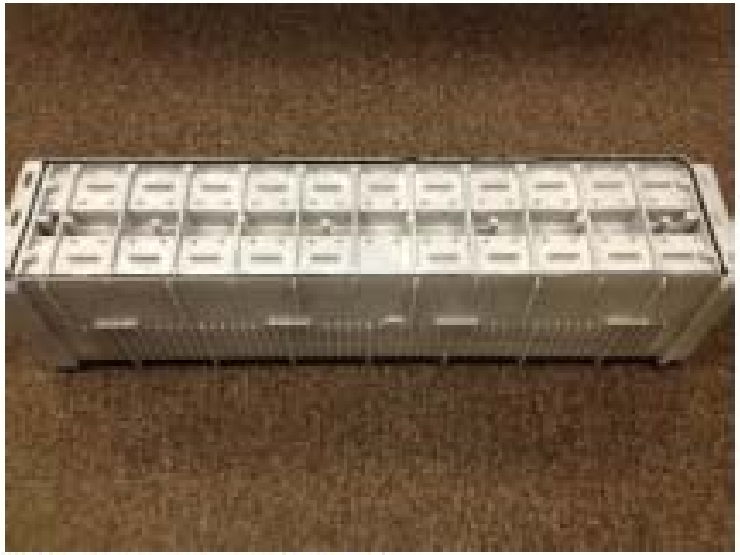
Step 3 - Remove sealant from Underdrain block. Keep the top deck of the underdrain clean and dry.

4. The 3M sealant must be scrapped from the underdrain as shown in picture #3. The top deck of the underdrain must be completely clean and dry or the new 3M sealant will not correctly adhere.

Picture #3: Removal of 3M sealant from underdrain

Step 4 – Apply new 3M sealant around the perimeter of the underdrain

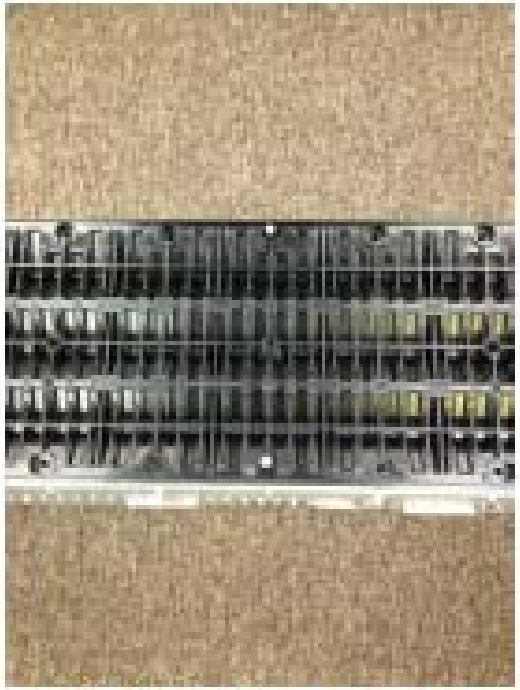
Lay the new 3M sealant tape around the perimeter shelf on the underdrain block taking care not to stretch the corners and make sure there are no gaps as shown in pictures #4 & #5.

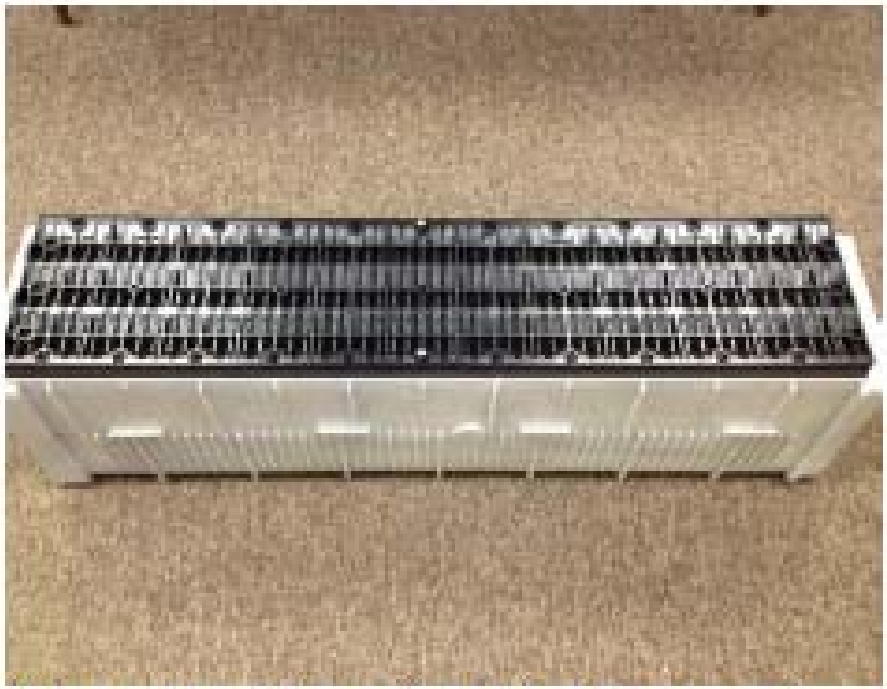


Pictures #4 & #5: New 3M sealant application to underdrain

Step 5 – Align and install new IMS 200 media retainer on the existing Type S underdrain.

Insert two #12 self-tapping screws in the center of the media retainer, snug only to hold the media retainer in place as shown in pictures # 6 & #7.





Pictures #6 & #7: Two screws placed in the center of the media retainer for proper alignment

Step 6 – Apply pressure and install remain screws (28 per underdrain block).

Apply pressure to the media retainer by walking around the perimeter of the media retainer to compress the 3M sealant as shown in pictures #8 - #10. Look at the perimeter of the filter block where the 3M sealant and top of the filter block meet--you will see the sealant slightly excrete from around the perimeter of the media retainer. This will indicate a good seal.

Pictures #8 - #9: Manually applying pressure onto the media retainer to properly seat in the 3M sealant

If you have question on the installation please contact Bruce Wolfe at Leopold