

# Frequently Asked Questions

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## **1. Do I need to seal the channel joints?**

Since most surface drainage products are installed on the ground level, the small amount of water that weeps through the channel joints doesn't pose a problem. For containment areas and installations where a sealed drainage system is required, all Meadrain polymer concrete channels have a built-in recess (sealable rebate) which provides the proper space for silicone or polyurethane sealant to perform their designed function.

## **2. Do I need to have grates installed in channels during concrete pour?**

Depending on the amount being poured, the surrounding concrete can compress the width of the channel section. Either Meadrain grates, wrapped or taped, or wooden boards cut to the width of the grates should be inserted into the channel to prevent such compression.

## **3. How do I clean the inside of the channel?**

Even though all Meadrain channels are produced with a smooth interior to promote water flow, long periods without water can allow debris to settle inside the channel. Trench shovels are available at construction supply outlets, but they tend to damage the channel interior. The best method to clean the channel is with water.

## **4. How many sections are needed for a 20 foot trench drain?**

Simply multiply the length of the trench drain times 0.3048 to determine the number of sections required. ( $20 \times 0.3048 = 6.09$  sections) 6 sections = 19.7 feet.

## **5. Do I need lock devices?**

Lock devices ensure the grates remain in place regardless of the direction of the traffic flow. Meadrain Clip-Fix and Profix grates contain an integral locking device. Remove the grates for unobstructed access to the channel interior; no lock bars to remove.

## **6. Do I need to store the channels inside?**

Meadrain channel sections have an extremely low water absorption rate and are unaffected by UV rays or temperature changes. There is no restriction to their storage location.

## **7. Do I need an expansion joint?**

When draining large surface areas, it's recommended a linear expansion joint is installed. This joint must be located a minimum 4" from channel edge to meet Class C load ratings.

## **8. Can I get channels made of vinylester polymer concrete?**

While Mea-Josam does not offer a vinylester concrete channel, please contact the factory for custom channel interior coating options. Consideration should be given that the waste piping and the surrounding concrete must also contain chemical resistant properties when necessary.

## **9. What does 0.5% Slope mean?**

For channels containing built-in slope, this represents 1/16" per foot pitch.

## **10. Do I have to use sloped channels?**

With smooth interior and radiused bottom, Meadrain channels effectively drain surface water regardless of slope. For areas or interior installations with infrequent water, slope provides momentum to assist the water drainage to the outlet.