

## TECHNICAL BULLETIN.

# GROUT RECOMMENDATIONS FOR INSTALLING THE POP-UP SPILL AND FLOOD BARRIERS.

The two types of grouts that are available are epoxy and cementitious. The primary specification for either grout is a final compressive strength of 13,500 PSI. All other specifications are to be evaluated and discussed between the contractor and the grout manufacturer based on the project's requirements.

### EPOXY GROUT.

Epoxy grout is the preferred grout.

#### Advantages:

- Rapid set and cure times
- Early high strength applications
- Resistant to oils and chemicals
- Higher bond strength to steel and concrete
- Broader temperature range for installation
- Better vibration resistance (high traffic areas)
- Good for thin pours.
- Packaged components for easy mixing

#### Disadvantages:

- Low flowability
- Max. temperature exposure after cure is 140F
- Rapid set up creates a small working installation window.
- Higher material cost

### NON-SHRINK CEMENTITIOUS.

Non-shrink cementitious grout can be used but consideration should be given to the environment in which the barrier is located.

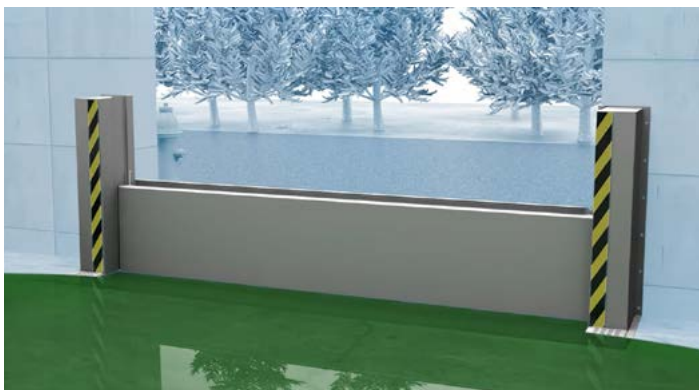
#### Advantages:

- Lower material cost
- Higher temperature exposure (approx. 400F)
- High flowability
- Easier cleanup
- Longer working time

#### Disadvantages:

- Very susceptible to variations in mixing
- Longer cure times to reach required strength
- Smaller temperature range for installation

Whichever grout is selected the installation of the barrier should be performed by a contractor that has experience working with the selected grout. Installation should follow the grout manufacturer's instructions and the industries best practices and procedures. The contractor should reach out to the grout manufacturer if they have any questions about the grout and its application. The contractor will need to ensure that the grout completely fills the space between the barrier and the concrete pit both along the bottom and sides without creating any voids or air pockets. Any failure with the grout installation will void the warranty with the barrier assembly.



Pop-up spill barriers



Pop-up flood barriers