

## TECHNICAL INFORMATION

### *Grouting Large Fissures and Voids*

#### **GROUTING METHODOLOGY**

The design of grouting formulations to accommodate site conditions and project requirements must take into consideration both overall job performance and economic factors. The selection of various grouting additives can be used to achieve the desired grouting performance using economical grouting formulations.

Some projects require void filling in close proximity to existing or planned structures, so low grout mobility is desirable in such circumstances. Other projects may require the filling of wide spread void areas through a limited number of openings, so high grout mobility becomes a design requirement.

The overall cost of large scale grouting projects is dependent upon the proper selection and use of grouting equipment that is appropriate to the site requirements. On some projects it may be sufficient to use large scale conventional grouting equipment. On other projects, the use of bulk silo cement storage tanks or the use of grout prepared at ready-mix batch plants may be more appropriate.

Most grouting projects that involve large fissures and voids are somewhat unique in that site conditions or requirements will not be a common occurrence. Grouting specialists from **MULTIURETHANES** are able to recommend appropriate grouting methodologies for specific site conditions based on prior experience at other projects.



*For large scale grouting operations, ready-mix plants can be used to supply bulk grout formulations at substantially lower costs than site-mixed grouts*



*Large grouting jobs such as this lock rehabilitation project utilize bulk cement delivered into on-site storage silos with integral auger feed screws to deliver cement into the colloidal mixer on a demand basis.*

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