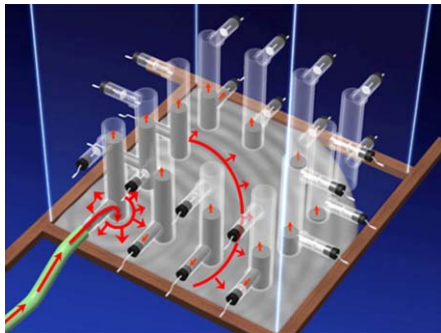




## Simultaneous "Mass Grouting" of Sleeves and Horizontal Joints

A NMB Splice-Sleeve® technical procedure (International Patents Pending)

Using the remarkable high flow and long distance properties of Splice-Sleeves specially developed non-metallic SS Mortar®, along with the recently released **Self Seal Valve (SSV)** and **Stopper with Indicator (SWI)**, Splice Sleeve North America will soon offer professional grouting crews specialist training in its technical procedures of "Mass Grouting". (NOTE: This method should never be done without full and proper training by Splice-Sleeve. "Learning the Hard Way" is very expensive).

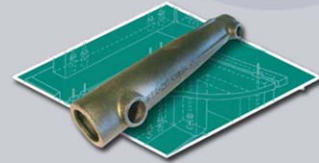


After specially sealing the perimeter of the horizontal joint, the non-metallic SS Mortar® is pumped through a Self Seal Valve in one of the Splice-Sleeve's "Inlet Ports", down into the horizontal joint gap, filling the joint, and then traveling up into all sleeves in one continuous operation. The

Stopper-With-Indicator in each grout tube allows air and water to escape, then seals the tube when the grout arrives. The "popped out" indicator stick confirms the filling of both the bottom and top of each sleeve.

Mass Grouting can be used for walls and columns. It contributes significantly to the efficient, quality and cleanliness of site operation, saving time and money as well as accelerating construction. For example, in the picture below, the 4' x 3' column with 28 x #14 NMB Sleeves and a 3/4" horizontal joint, was completely grouted in 10 and a 1/2 minutes. This allowed the high-rise building to set the precast sleeves and joint "dry" and achieve 5 day floor cycles. It also allowed the Engineer of Record and Site Inspectors to be sure that the horizontal joints were completely grouted all the way through.

Over **21 million** Splice-Sleeves® in use **worldwide**



### Splice Sleeve North America, Inc.

38777 West Six Mile Road, Suite 106  
Livonia, MI 48152  
[www.splicesleeve.com](http://www.splicesleeve.com)



#### Toshi Yamanishi President

Tel: 734.838.0420  
Fax: 734.838.0422  
[tyamanishi@splicesleeve.com](mailto:tyamanishi@splicesleeve.com)

#### Jim Schroder Technical/Marketing Dev.

Tel: 864.553.1344  
[jimschroder@bellsouth.net](mailto:jimschroder@bellsouth.net)  
1200 Woodruff Road A-3  
Greenville, SC 29607



NMB Splice Sleeve's grouting crews have developed and perfected the specialized Mass Grouting procedures, equipment and gadgets overseas. They have successfully performed Mass Grouting for many years to the point where it is now an industry standard procedure in Japan. Splice Sleeve North America intends to offer training in these procedures for professional grout crews during 2013. For more information, please [contact Splice Sleeve North America, Inc.](#)



**We've got the Gadgets**

...but do try to bring them back this time will you!

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