

## **Project Profile: Lafarge's Ductal® Fibers**



Confident in the structural performance of PVA, Lafarge chose Kuralon PVA fibers for Ductal®, their revolutionary ultra-high performance (UHPC) material, which offers a unique combination of strength, ductility, durability and aesthetic flexibility.

Where normal concrete might have 3,000 to 7,000 psi compressive strength, Ductal® offers 20,000 to 30,000 psi. Due to these impressive characteristics, Ductal® solutions can be designed with smaller elements, without the use of passive reinforcement and, in many applications, without prestressed or post-tensioned reinforcement. Ductal® is used to build bridges and other structures with discontinuous fibers as its primary reinforcement. Generally, steel fibers are selected for their high ultimate strength. But, where there is a chance of people touching the surface or a concern that rust might impair the aesthetics, Lafarge employs Kuralon PVA as their structural fiber of choice.