



Create Exceptionally Durable Polymer Concrete with HYPERLAST™ LU 1011/HYPERLAST LP 5046



Polymer concrete, a composite that uses polymeric resin to bind mineral aggregates such as stone or sand, is becoming an increasingly popular choice in a range of infrastructure applications. Now, HYPERLAST™ polyurethane binders from Dow can enhance polymer concrete durability, flexibility and impact resistance, enabling greater structural integrity in a variety of applications.

HYPERLAST binding systems is an innovative two-component polyurethane system featuring advanced mechanical properties that enable a balance between strength and flexibility. Its dynamic properties provide a cure profile suitable for use as a binder in polymer concrete applications. Its individual polyol and isocyanate components are formulated to maintain viscosities low enough to facilitate mixing and wetting with mineral aggregates.

The HYPERLAST Advantage

HYPERLAST advantages include:

- Low viscosity for high aggregate loadings
- High durability
- Flexibility
- High impact resistance
- Versatility

Solution for All Seasons

Unlike Portland cement concrete, elastomeric polyurethane composites are resistant to chipping and cracking caused by recurring impacts and seasonal expansion and contraction. Elastomeric polymer concrete is suitable for use in applications such as spall repair, expansion joint headers and other infrastructure rehabilitation applications. Including HYPERLAST in the mix addresses all of the critical factors that must be considered when selecting aggregate blends and when processing polymer concrete composites.

