

SOLIDIA CONCRETE™ APPLICATIONS

Solidia Concrete Component Manufacturing

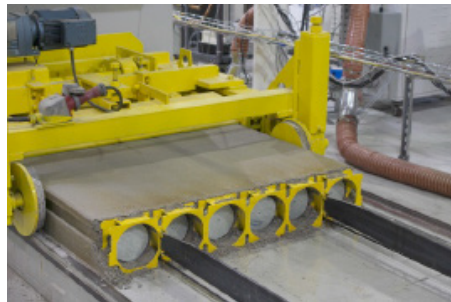
Solidia Concrete is shaped by processes similar to those used for conventional concrete. Solidia Cement, sand, aggregate and water formulations can be mixed in conventional cement mixers and then pressed into a paver or block form, cast into a mold, extruded into thin and complex shapes or simply tamped into place. Unlike conventional concrete, which cures in the presence of water, Solidia Concrete only cures when exposed to a CO₂-containing atmosphere.

This unique aspect of Solidia Concrete curing allows precise control of the curing process, permits the incorporation of a broad range of sands, aggregates and reinforcements, and enables concrete manufacturers to operate at higher speeds while minimizing material waste.

Solidia Concrete parts can be designed for compressive strength, abrasion resistance, efflorescence, and freeze-thaw cycling resilience that are equal to, or better than, that of conventional concrete. These attributes combine to bring advantages to virtually every conceivable Solidia Concrete product.



AGGREGATE AND SAND USED IN SOLIDIA CONCRETE



SOLIDIA CONCRETE HOLLOW-CORE EXTRUSION



SOLIDIA CONCRETE PAVERS READY FOR CO₂ CURING

Applications for Solidia Concrete

Solidia Concrete Advantages

- Reduced efflorescence
- Water absorption < 2%
- Compressive strength ~10,000 psi (~69MPa)
- Less pigment required
- Compatible with non-conventional aggregates and recycled glass



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