

# WCT<sup>TM</sup>

## Water Control Technology



## New Masonry Wall System with Superior Resistance to Moisture Penetration

### *Innovative Masonry Design*

- WCT units feature integral drainage zones that direct moisture to the wall's drainage system.
- No special installation techniques required--cost-effectiveness is assured.
- WCT units are suitable for corners and ends for a complete system.
- All units have integral water repellent in their mix design.
- WCT units meet or exceed ASTM C90.
- Perfect for both Single or Multi-Wythe Walls.
- Offered in a wide variety of shapes and sizes, ranging from:
  - SPEC-BLOCK<sup>TM</sup> (precision gray CMU)
  - SPEC-BRIK<sup>®</sup> (brick appearance),
  - SPEC-SPLIT<sup>TM</sup> (split face CMU)



WCT units (on left) were spray bar tested with no mortar (just gaps) alongside a traditional block design (right) with a water flow rate equivalent to 180" of rain per hour for a half hour and then at a rate of 30" of rain for an additional 24 hours.

*Result:* The traditional block began to show moisture penetration to the interior surface after 11 seconds. The WCT block completed the 24 hour test without any evident moisture penetration to the interior surface of the wall.

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Patents Pending

# How does WCT™ Work?

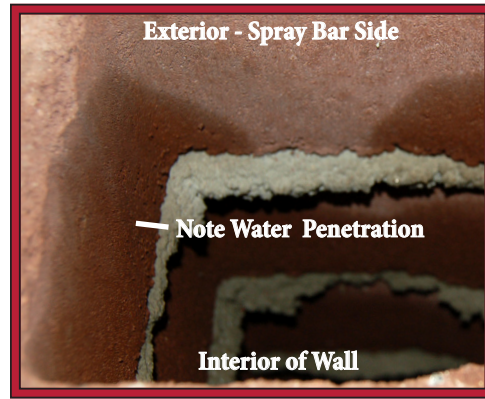
Why try to improve one of the most trusted construction materials available?

WCT is based on preserving the superior performance characteristics of concrete block while adding features that improve the ability of masonry wall assemblies to resist moisture penetration.

We made subtle changes to the top surfaces of each WCT block's webs to discourage water from crossing to the interior face shell. Corners and ends can use the WCT drainage zones without compromising aesthetics or performance.

These innovations are accomplished with a block that is fully compliant with the concrete masonry unit standard, ASTM C90.

Views below show the interior cores of WCT™ vs. Standard CMU under extreme (180 inch/hour) spray bar testing:

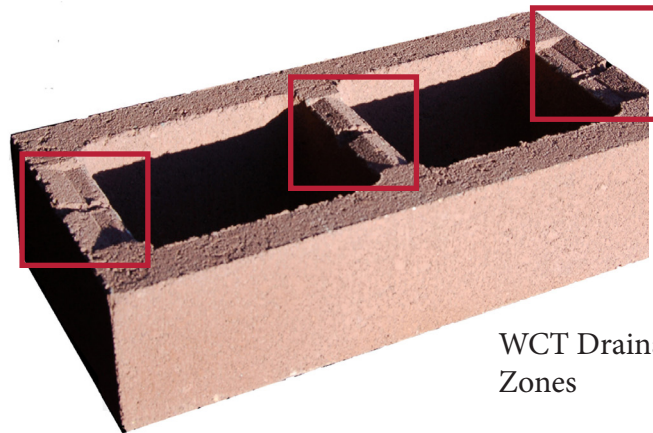


Standard CMU



WCT™ CMU

*The WCT drainage zones divert water from traveling across joint areas and direct any moisture that penetrates the exterior shell downward into the drainage cores of the units so that the water can exit via the flashing and weep systems in the wall*



WCT Drainage Zones



## Nationwide Service and Availability

The Concrete Products Group LLC (CPG) consists of regional market leaders in the concrete products industry. The CPG is organized to provide consistent, top-quality products to regional and national customers. Our products are produced with consistent specifications and production expertise.

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