



Tech Data

CityMix is a patented lightweight additive consisting of individual expanded polystyrene (EPS) particles encapsulated in an applied coating. The product is static free, mixes easily and uniformly and bonds extraordinarily well to cement and gypsum. CityMix by weight consist of 50% EPS based inner core and 50% proprietary, non-toxic outer shell. By volume, CityMix consists of 99% recycled EPS particles with 1% outer coating.

Property	ASTM Test Method	RESULTS
Effective Specific Gravity	ASTM C642	0.060 (average)
Bulk Density	ASTM C29-modified	appx 2.0-3.0lbs/ ft3
Performance Characteristics: Test Medium Cement Plaster		
Fire Resistance / Surface Burning	ASTM E84	Flame Spread Class A 0-25 - Score 0
Smoke Development	ASTM E84	Class A 0-450 - Score 0
Flexural Strength	ASTM C293	683 - 1,100 PSI
Freeze Thaw	ICCES - AC11	10 cycles - Passed
Accelerated Weathering	ICCES - AC11	2000 Hours - Passed
Transverse Load	ICCES - AC11	Passed
Density, Absorption and Voids	ASTM C642	Very low absorption, Strong bond to cement Paste
Thermal Transmission	ASTM C518	30% weight reduction 58% Higher R-Value
Vertical Tube Furnace	ASTM E136	35% weight reduction Passed

Sustainability: CityMix helps recycle post industrial and post consumer waste EPS into a lightweight user-friendly performance enhancing additive for use in cement products and gypsum base products. CityMix weight reduction as compared to conventional aggregates helps in handling, transportation and provides significant reduction potential for net carbon reduction. LEED documentation support available upon request from your CityMix representative.

