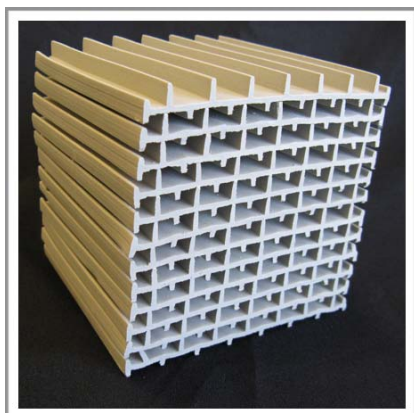


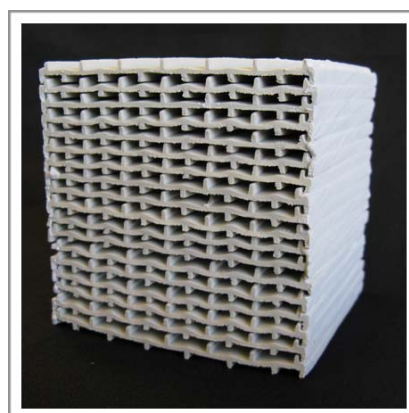
## New MLM SR<sup>®</sup> Media Resists Fouling by Silica in RTOs



MLM-125 SR<sup>®</sup>



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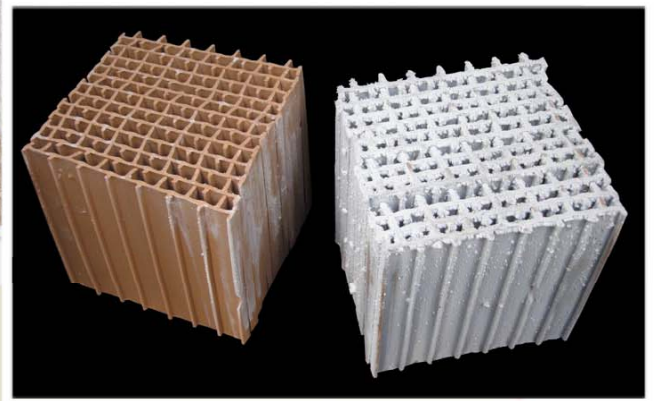
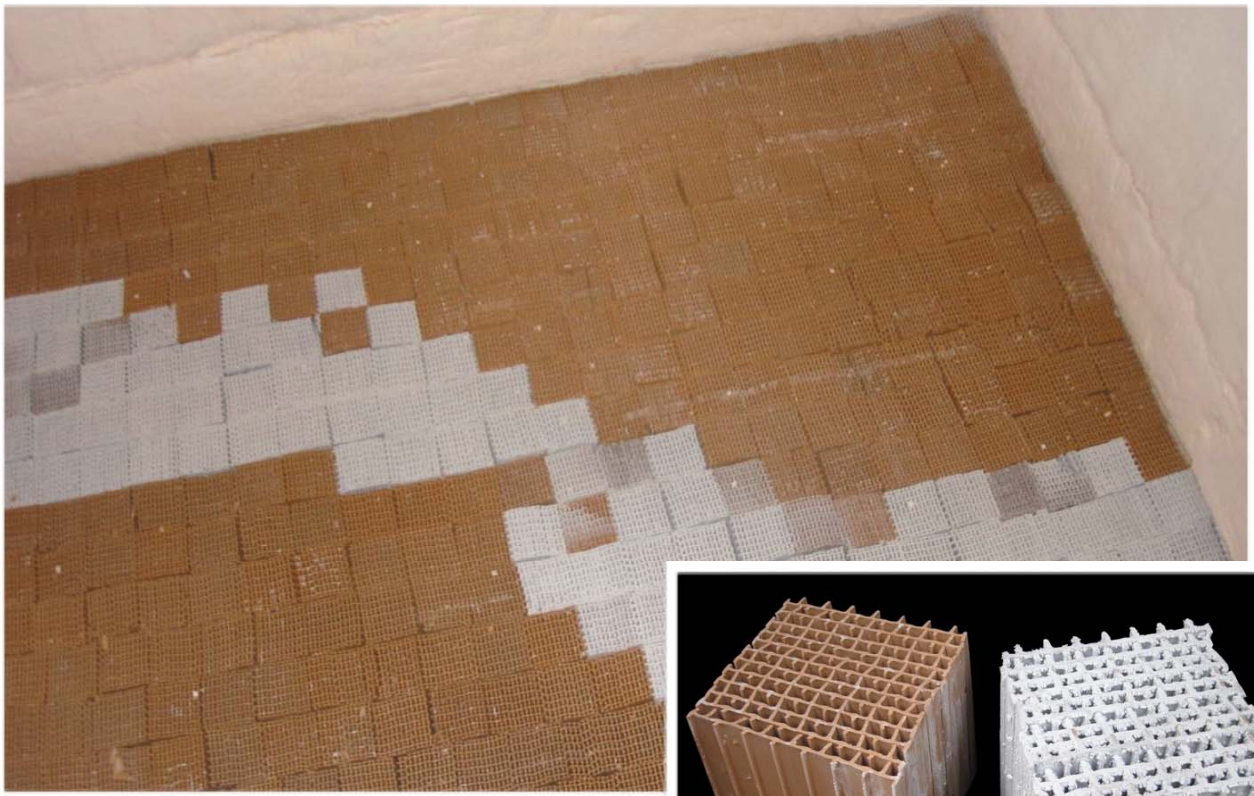
MLM-160 SR<sup>®</sup>

Silicon dioxide (SiO<sub>2</sub>) deposits can be a crippling maintenance problem for regenerative thermal oxidizers in emission-control applications such as auto body painting. Combustion converts paint solvents and most other VOCs to CO<sub>2</sub> and water vapor, but additives such as silicone pigment dispersants, siloxane defoamers, and silane coupling agents can vaporize and burn to form SiO<sub>2</sub> ash that coats ceramic media at the hot end of heat-recovery canisters, interfering with heat transfer, restricting air flow, and eventually forcing a shutdown to replace plugged media.

In order to control this kind of fouling problem, Lantec Products, the world leader in innovative RTO media, developed Multi-Layer Media SR<sup>®</sup> (Silica-Resistant ceramic). The patented heat-sink media is made of a special ceramic that resists deposition of SiO<sub>2</sub> ash when vaporized silicon compounds ignite.

MLM-125 SR<sup>®</sup> is an extremely low pressure drop media that provides maximum open area for total particulate plugging resistance. MLM-160 SR<sup>®</sup> provides the optimum balance of plugging resistance and heat storage capacity for use as the primary heat recovery media in silica fouling applications.

SPECIFICATIONS		
Media:	MLM-125 SR <sup>®</sup>	MLM-160 SR <sup>®</sup>
Standard Module Size:	4" x 4" x 4"	12" x 12" x 4"
Surface Area:	125 ft <sup>2</sup> /ft <sup>3</sup>	160 ft <sup>2</sup> /ft <sup>3</sup>
Void Fraction:	72%	64%



MLM-125 SR® and standard MLM-125

In a recent field test, blocks of MLM-125 (standard chemical porcelain) and MLM-125 SR® were installed side by side in an RTO with a history of SiO<sub>2</sub> fouling. The photos show both media after 6 months of operation. MLM-125 SR® remained virtually free of the fluffy white ash that had fouled the standard ceramic media.

Lantec Products provides the most comprehensive solutions for efficient operation of regenerative thermal oxidizers. For more information, please visit us online at [www.lantecp.com](http://www.lantecp.com) or call for **FREE** RTO design assistance.

