

MECS® HEXWALL™

FOR SULFURIC ACID PLANT SULFUR BURNERS AND SPENT ACID RECOVERY FURNACES



INTERLOCKING HEXAGONAL CERAMIC BLOCKS FOR FAST INSTALLATION AND SUPERIOR STRUCTURAL STABILITY

MECS® HexWall™ is a versatile, mechanically stable system consisting of a series of stackable six-sided blocks incorporating alternating tabs and slots on each side that are designed to ensure the blocks are positively locked together at installation. MECS® HexWall™ is offered in a highly creep resistant mullite bonded composition designed to resist deformation under load.

MECS HexWall™ system is stronger, more precise and uses far fewer parts than standard 9" brick and refractory mortar baffles, for a faster more secure installation. Rapid disassembly and reassembly of MECS® Hexwall™ can easily be achieved for major maintenance turnarounds. Spanning the entire inside O.D. of the burner or furnace, MECS® HexWall™ becomes structurally integral with same.

MECS Hexwall™ system replaces and significantly improves upon traditional, weak, unsupported refractory brick baffle wall methods. Any combination of open and solid blocks may be used to create custom designed baffle walls. The mechanical stability at operating temperatures in excess of 1650C and has withstood excursions well above 1800C.

MECS® HexWall™ technology is available worldwide and provides the easiest to install, most reliable and long lasting sulfur burner and spent acid recovery furnace baffles in use today.

FEATURES AND BENEFITS:

- Large hexagonal ceramic blocks are inherently stable
- Design ensures that all blocks are fully supported
- Tongue & groove interlocking joints can withstand thermal expansion
- Structural stability even in high upset conditions
- No mortar required results in easy, fast installation
- Virtually any baffle configuration may be accommodated.
- May be removed and re-used for maintenance
- Successful track record in severe service applications with no failures



James River HexWall™ detail

MECS®
HEXWALL™

Learn more at www.mecs.dupont.com

MECS® HEXWALL™ FOR SULFURIC ACID PLANT SULFUR BURNERS AND SPENT ACID RECOVERY FURNACES

FASTER INSTALLATION – LESS FIELD LABOR

USING MECS® HEXWALL™ V.S. TRADITIONAL BRICK BAFFLE WALL

TRADITIONAL BRICK BAFFLE WALL

3 BRICK LAYERS
3 LABORERS

MECS® HEXWALL™

1 SKILLED
2 LABORERS

RELATIVE INSTALLATION TIME

The example above is based on a 5 meter I.D. sulfur burner. Contact an MECS® sales engineer for the estimated time and labor savings using MECS® HEXWALL™ in your specific application.



Designed for use in walls that are 3 meters or greater in height, these 18 inch deep blocks have double the footprint and therefore improved stability.

SUPERIOR STRUCTURAL STABILITY



alternating tabs and slots on each side



blocks are locked together at installation



hexagonal blocks are inherently stable



a fast, secure installation

www.mecs.dupont.com

North America

MECS Headquarters

Chesterfield, Missouri, USA

Tel: +1-314-275 5700

northamerica@mecsglobal.com

Europe/Africa

Brussels, Belgium

Tel: +32-2-658 2620

europafrica@mecsglobal.com

Milan, Italy

Phone: +39-02-8969 0658

italy@mecsglobal.com

Johannesburg, South Africa

Tel: +27-11-218 8618

southafrica@mecsglobal.com

Asia/Pacific

Hong Kong, China

MECS Far East Limited

Tel: +852-2734 5388

hongkong@mecsglobal.com

Shanghai, China

MECS Chemical Plants

Equipment (Shanghai) Co., Ltd

Tel: +86-21-6182 1146

shanghai@mecsglobal.com

Mumbai, India

MECS India Private Ltd.

Tel: +91-22-6774 9500

india@mecsglobal.com

South America

Barueri, Sao Paulo, Brazil

Tel: +55-11-4166 8000

brazil@mecsglobal.com