Pressurized Foam Concerns

Fire Rating:
There is a great deal of confusion about a 4 hour fire rated wall in the mason industry. There is no foam that will add 2 hours to a masonry wall system. All foams add .75 hr. to a wall. However it is possible to realize a 4 hour rating. The way a wall is constructed (vertical grouting & bond beams) or the density of the block material would meet this requirement.

Wet wall:
Foam should not be installed when inner block core is saturated (i.e. rain). If this is done, the product is actually mixed with the additional water in the cells, causing the cure time to be extended significantly and the all to appear wet. In most cases when installed correctly, moisture is not a problem. Foam can be installed when some inner block core moisture is present. Although some shading of block and mortar joints will occur, the moisture spots will dissipate in time. (PolyMaster, as a premium product, is recommended in the instance of higher moisture levels at time of injection).

Finishing:
Painters should take a PPH and Alkaline test prior to painting the completed walls. For installation, 5/8" holes are drilled and patched so that after painting, they are almost impossible to see.

Corrosion:
Corrosion should not be a concern. If the proper coating of masonry reinforcement is used, corrosion will not occur. The State of Wisconsin requires a class 3 (Not regular mill grade).
Foam insulation will not cause corrosion in the wall.

Absorption:
Foam insulation is buoyant. Foam insulation is a closed cell material, and will not absorb water, other than the surface tension (about 1/8").

Environmental concerns:
Each of our products are of differing chemical compounds, however, both products are inert as foam, and can be disposed of in landfills. Air is used to create pressure for installation, no CFC's are used.

Both MasterFoam products have been tested and approved by the State of Wisconsin.