



System # WW-D-1081  
System # JF132

FIELD-APPLIED MIN. 3/4-INCH (19.1mm)  
DEEP INJECTED SEALANT BAND AND CORNER BEAD  
ALONG SIDE OF WFR2 AS SHOWN - BOTH SIDES  
(SILICONE SUPPLIED BY EMSEAL)

3 5/8" WIDE STEEL STUDS  
MAX SPACING 24" O.C.

4 IN  
[101.6mm]

APP. 3/4 IN  
[19.1mm]

1/4 IN  
[6.4mm]

2 1/4 IN  
[57.2mm]

EMSHIELD WFR2  
FIRE-RETARDANT  
IMPREGNATED FOAM

FACTORY-APPLIED AND CURED  
SILICONE FACING AVAILABLE IN  
26 STANDARD COLORS - BOTH SIDES

EPOXY ADHESIVE  
BOTH SIDES

5/8" GYPSUM WALLBOARD  
INSTALLED TO A MIN TOTAL THICKNESS  
OF 1 1/4" ON EACH SIDE OF WALL AND  
ON EACH STUD FACE WITHIN JOINT OPENING

MOVEMENT: ±50% (TOTAL 100%) OF NOMINAL MATERIAL SIZE

EMSEAL'S EMSHIELD WFR2 HAS BEEN TESTED IN ACCORDANCE WITH UL 2079 IN THE CONFIGURATION DEPICTED IN SYSTEM # WW-D-1081. USE OF THIS MATERIAL IN WALL ASSEMBLY CONFIGURATIONS OTHER THAT DEPICTED IN UL SYSTEM # WW-D-1081 WILL NOT ENCUMBER OR LOWER THE RESISTANCE OF THE WALL BUT IS DONE SO AT THE DESIGNERS' DISCRETION AND RESPONSIBILITY FOR DESIGN OF A FIRE RATED WALL ASSEMBLY THAT MEETS APPLICABLE STANDARDS FOR THE PROJECT AND WHICH ADDITIONALLY IS CAPABLE OF RESISTING THE APPROXIMATELY 2.5 PSI (120 LBS PER FOOT OF JOINT BASED ON 4-INCH DEPTH OF SEAL) BACKPRESSURE OF THE WFR2 MATERIAL.

## EMSEAL JOINT SYSTEMS LTD.

### EMSHIELD WFR2-0225 WALL TO WALL GYPSUM STEEL STUDS

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| DRAWN BY:<br>JNM | DATE:<br>2015/06/18 | SCALE:<br>N.T.S. | SHEET<br>No: 1 OF 1 |
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PART NUMBER:  
WFR2\_0225\_WW\_GYP\_STEEL\_STUDS