

**cycle and impact testing results**

**ACCELERATED PHYSICAL ENDURANCE TEST PROCEDURE  
 FOR STEEL DOORS, FRAMES AND FRAME ANCHORS  
 ANSI A250.5 – 1994**

| DOOR          | FRAME WALL SIZE | FRAME GAUGE | DOOR WEIGHT | LEVEL C<br>250,000 CYCLES | LEVEL B<br>500,000 CYCLES | 750,000<br>CYCLES | LEVEL A<br>1,000,000 CYCLES |
|---------------|-----------------|-------------|-------------|---------------------------|---------------------------|-------------------|-----------------------------|
| 4'-0" X 8'-0" | 3-1/2"          | 22          | 188 LBS.    | →                         | →                         | →                 | ★                           |

Test conducted by Inchcape Testing Services, Warnock Hersey, Pittsburg, California May, 1994

**COMPARATIVE IMPACT TEST**

| FRAME TYPE  | FRAME SIZE     | FRAME GAUGE | 154<br>IMPACTS | 310<br>IMPACTS | 850<br>IMPACTS |
|-------------|----------------|-------------|----------------|----------------|----------------|
| WELDED H.M. | 3'-0" X 7'-0:" | 16          |                |                |                |
| KD H.M.     | 3'-0" X 7'-0:" | 16          |                |                |                |
| REDIFRAME   | 3'-0" X 7'-0:" | 18          |                |                |                |

Test conducted by ETC Laboratories, Rochester, New York

Test Parameters: 80 lb. ran pendulum (200 ft. lbs. per impact) similar to  
 ANSI / NAAMN HMMA 863-90 Detention / Security Hollow Metal Spec.