

## TEST REPORT SUMMARY ENVIRO-3000® CERAMIC SHIELD™ SCRUB RESISTANCE ASTM D2486

Testing Reports #E3K SR

04/01/12 superseding: 02/20/09

Paints often become soiled, especially near doorways, windows, and in work and play areas. These test methods cover the determination of the relative resistance of different paints to erosion when repeatedly scrubbed during the life of the paint. The Test Method used is comparable to ASTM D2486 except that a shim is used to determine a more rigorous scrub cycle.

| TECH DATA           | ENVIRO-3000®<br>FLAT | ENVIRO-3000®<br>SATIN | CERAMIC<br>SHIELD™ FLAT | CERAMIC<br>SHIELD™ SATIN |
|---------------------|----------------------|-----------------------|-------------------------|--------------------------|
| PVC                 | 52%                  | 35%                   | 63%                     | 36%                      |
| Solids by<br>Weight | 53%                  | 50%                   | 56%                     | 52%                      |
| Solids by<br>Volume | 35%                  | 35%                   | 37%                     | 37%                      |

| ENVIRO-3000 <sup>®</sup> SCRUB CYCLES |            |             |      |  |  |
|---------------------------------------|------------|-------------|------|--|--|
| ENVIRO-3000 <sup>®</sup> Flat         | Left Shim  | Right Shim  | Mean |  |  |
| Panel 1                               | 580        | 600         | 590  |  |  |
| Panel 2                               | 515        | 560         | 538  |  |  |
| Panel 3                               | 565        | 550         | 558  |  |  |
| Mean                                  | 554        | 570         | 562  |  |  |
| Standard Deviation                    | 34         | 26          | 26   |  |  |
| ENVIRO-3000 <sup>®</sup> Satin        | Loft Chica | Dight China | Maga |  |  |
|                                       | Left Shim  | Right Shim  | Mean |  |  |
| Panel 1                               | 590        | 610         | 600  |  |  |
| Panel 2                               | 570        | 565         | 568  |  |  |
| Panel 3                               | 550        | 550         | 550  |  |  |
| Mean                                  | 570        | 575         | 573  |  |  |
| Standard Deviation                    | 20         | 31          | 25   |  |  |

| CERAMIC SHIELD™ SCRUB CYCLES |           |            |      |  |  |  |
|------------------------------|-----------|------------|------|--|--|--|
| CERAMIC SHIELD™ Flat         | Left Shim | Right Shim | Mean |  |  |  |
| Panel 1                      | 410       | 430        | 420  |  |  |  |
|                              |           |            |      |  |  |  |
| <b>CERAMIC SHIELD™ Satin</b> | Left Shim | Right Shim | Mean |  |  |  |
| Panel 1                      | 430       | 450        | 440  |  |  |  |

Information presented has been compiled from sources to be reliable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.