

# PPG Laboratory Test Results Certification

## Mandrel Bend Flexibility

PPG Industries, Inc. certifies the following performance properties for the DURANAR® Coil Coating Systems when applied and baked on properly cleaned and pretreated substrates, according to PPG specifications:

|                       |                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Coatings:</b>      | DURANAR® PLUS                                                                                                                                                                                                                                               |
| <b>Test:</b>          | ASTM D-522 - Standard Test Method for Mandrel Bend Test of Organic Coatings                                                                                                                                                                                 |
| <b>Specification:</b> | Place the test panel in a Conical Mandrel Tester, painted side towards the drawbar with the operating lever of the apparatus in a horizontal position. Move the lever through about 180 degrees to bend the specimen approximately 135° around the mandrel. |
| <b>Result:</b>        | No cracking around the 1/8 inch mandrel on steel or aluminum. Note: Fracturing of heavy gauge and HDG substrates may cause coating micro-fracturing. DURANAR® coatings are generally flexible to the point of metal cracking.                               |

