

Biuged Brand Test Substrates

If coatings tests are to be reliable and reproducible, they must be performed on a substrate which is reasonably consistent from test to test. Unfortunately, ordinary commercial sheet steel displays wide variations in the surface properties which affect the bonding of coatings.

The Standard Test Substrate

Biuged brand test substrates provide a uniform and consistent surface for testing paints, coatings and adhesives. Panels are available in a variety of substrates, surface finishes, sizes and shapes. They are used to minimize metal variability as a source of bias in critical tests and they are economical enough to be used for sales samples and batch records.

Panel Options. Panels are available in steel and aluminum, bare and pretreated. Most panels are flat and rectangular, but we do have special shapes such as automotive styling panels which mimic the side of an automobile. In addition, custom panels can be manufactured to specification.

Consistent & Convenient. The Biuged production process is specifically tailored to minimize variability of metallic surfaces. We buy all of our substrates direct from selected mills which control surface texture to our specifications. Our inventory of over a million panels means that 95% of our orders are shipped from stock.

Economical. Due to high volume production, our panels cost less than one might expect. Equally important, the convenience of pre-cleaned, safe, standardized panels reduces the expensive time lab personnel could spend cleaning and handling panels.

Description	Ordering Information	Size (mm)	Minimum Packing	Pretreat
Steel Panels	BGD 2310	120 × 50 × 0.5	300 pcs	Polishing
	BGD 2311	150 × 70 × 0.5	180 pcs	Polishing / hole and Circinal corner
	BGD 2312	120 × 50 × 0.8	300 pcs	Polishing
	BGD 2313	150 × 70 × 0.8	180 pcs	Polishing / hole and Circinal corner
	BGD 2314	120 × 50 × 1.0	300 pcs	Polishing
	BGD 2315	150 × 70 × 1.0	180 pcs	Polishing / hole and Circinal corner
Phosphated Iron Panels	BGD 2318	150 × 70 × 0.8	180 pcs	Spray Sand (Ra 4.5 ~ 5.5)
	BGD 2319	150 × 70 × 1.0	180 pcs	Phosphated
Aluminum Panels	BGD 2320	120 × 50 × 0.5	300 pcs	Chromated
	BGD 2321	150 × 70 × 0.5	180 pcs	Chromated
	BGD 2322	120 × 50 × 0.8	300 pcs	Chromated
	BGD 2323	150 × 70 × 0.8	180 pcs	Chromated
	BGD 2324	120 × 50 × 1.0	300 pcs	Chromated
	BGD 2325	150 × 70 × 1.0	180 pcs	Chromated
ABS Plastic Panels	BGD 2400	88 × 62 × 2.0	500 pcs	Coarse /smooth surface
	BGD 2401	130 × 80 × 2.0	250 pcs	Coarse emery/exiguous emery/smooth surface
PC Plastic Panels	BGD 2410	88 × 62 × 2.0	500 pcs	Coarse /smooth surface
	BGD 2411	130 × 80 × 2.0	250 pcs	Coarse emery/exiguous emery/smooth surface
HIPS Plastic Panels	BGD 2420	88 × 62 × 2.0	500 pcs	Coarse /smooth surface
	BGD 2421	130 × 80 × 2.0	250 pcs	Coarse emery/exiguous emery/smooth surface
ABS+PC Plastic Panels	BGD 2430	88 × 62 × 2.0	500 pcs	Coarse /smooth surface
	BGD 2431	130 × 80 × 2.0	250 pcs	Coarse emery/exiguous emery/smooth surface



Plastic Panels



Steel Panels



Aluminum Panels