Protexture® Mar & Scuff Resistance Test

Aim

Visible marring and scuffing can occur on powder coated surfaces as a result of transportation, fabrication, construction and during service life. This test compared the mar and scuff resistance of Protexture against standard non-textured powder coatings and an anti-mar textured competitor product.

Method

The Taber Reciprocating Abraser test apparatus (Figure 1) was utilised under controlled laboratory test parameters to compare and evaluate mar and scuff resistance.

Two metal samples were coated with the same powder coating and mounted on the platform with the coated surfaces in direct contact with each other. A weight was applied on the top sample and the table with the bottom sample was moved backwards and forwards in a straight line. Each cycle comprised one backward and forward motion combined. This controlled laboratory test was conducted to simulate the marring and scuffing that may occur when powder coated surfaces are in contact with each other during transportation, fabrication, construction and service life.

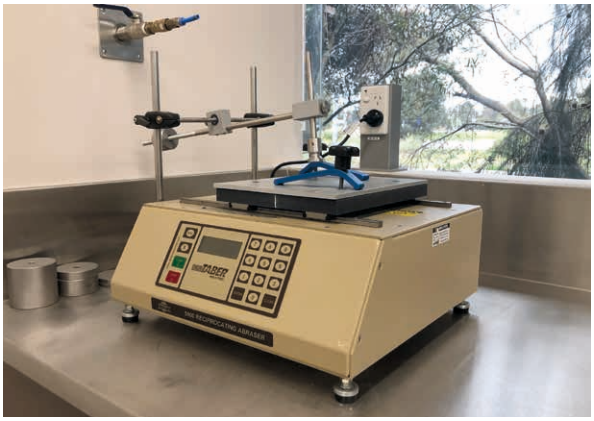

Figure 1

Scan the QR code to watch the Protexture mar & scuff resistance test

Results

Competitor non-textured powder coating	Dulux non-textured powder coating	Protexture
Marring & scuffing visible after 25 cycles	Marring & scuffing visible after 25 cycles	No marring or scuffing visible after 200 cycles