



Macropoxy™ M922M

Edge Retention Test

Test Method

A length of 50mm x 50mm carbon steel angle was abrasive blast cleaned to Sa 2½ as defined in ISO 8501-1, with a surface profile in the range 50 - 85 microns.

A minimal quantity of red stainer was added to standard Macropoxy™ M922M aluminium, to give a slight contrast for photographic purposes.

Macropoxy™ M922M aluminium was applied to the outer surfaces of the section of angle by brush. Approximately 480 microns of material was applied to achieve the target dry film thickness of 400 microns.

Once cured, the section was cut into slivers to reveal a cross-section of the paint film.

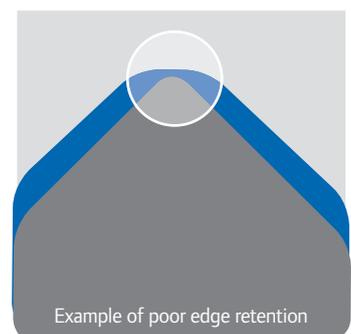
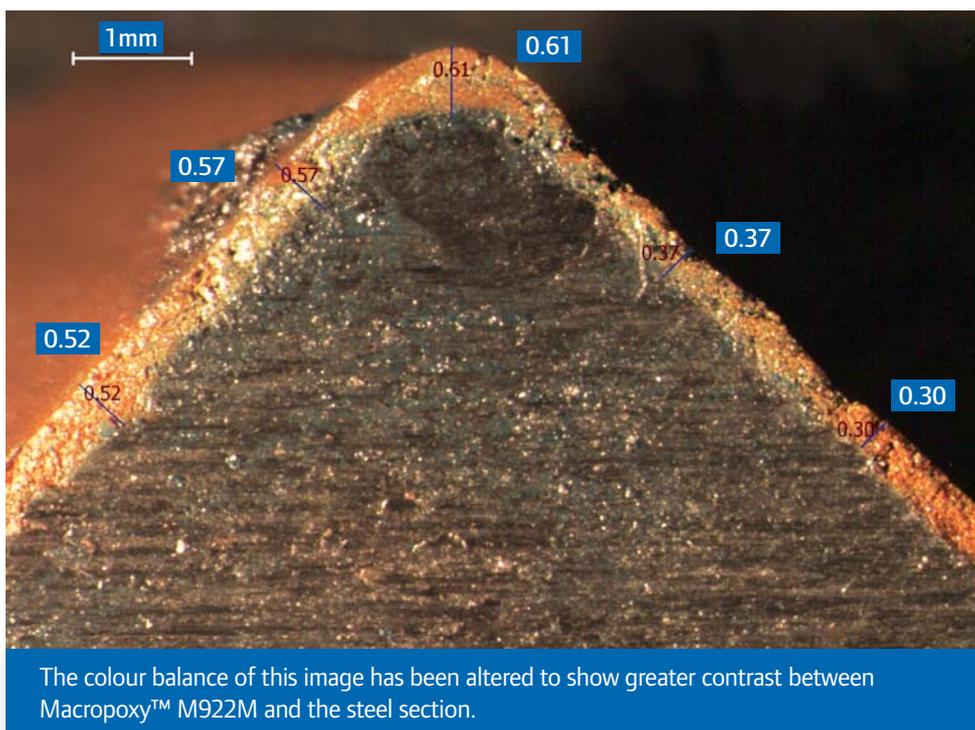
The cross-section was then examined under magnification, and the paint film thickness measured electronically, and photographed.

Result

The magnified photograph shows that the paint thickness on the apex of the angle section was the same as that on the flanks.

Conclusion

It was concluded that Macropoxy™ M922M exhibits excellent edge retention characteristics.



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