

OPERATION MANUAL

No. MN9460E Rev. A - Feb 2012

PET-460 PAINT EVALUATION TOOL



Airblast B.V.
P.O. Box 1075
1700 BB Heerhugowaard
The Netherlands
Tel. : + 31 72 5718002
Fax : + 31 72 5714340
Email : info@airblast.com
Web : www.airblast.com

OPERATION

Cutting

Select the required cutting angle for the thickness of coating that you are testing.

Hold the PET-440 firmly in the hand and draw the cutting edge across the coating to be evaluated, ensuring that the cutter penetrates through to the substrate. The cutter will make three cuts in the surface: two fine cuts each side (these are to steady the cutter) and in the centre a larger wedge cut. To assist the measurement, you can mark the test piece with a felt tip pen in a contrasting colour at the location where the cut is going to be made.

Taking Readings

Place the x50 Microscope over the cut and with the graticule, measure the side of the wedge cut that has the selected angle to obtain the coating thickness.

Depending on the angle being used, each scale division on the graticule represents a certain thickness.

Angle 45°, 1 scale division equals 20µm.

Angle 26.6°, 1 scale division equals 10µm.

Angle 5.7°, 1 scale division equals 2µm.

If using an angle of 26.6° or 5.7°, the angle of the other side is 45°. If required, this can also be used without the need to make another cut.

For testing in dimly lit locations there is an intrinsically safe pen torch supplied.

Changing Cutting Head

Each cutting head segment has two cutting edges. When one edge becomes blunt simply remove the cutter head by removing the retaining screw and turn the cutter head around until the second new unused cutter edge is selected.

Replacement Cutting Heads are available.

AIRBLAST GROUP

Airblast B.V.

P.O. Box 1075
1700 BB Heerhugowaard
The Netherlands

Tel : +31 72 5718002
Fax : +31 72 5714340
Email : info@airblast.com
Web : www.airblast.com

Airblast Middle East L.L.C.

P.O. Box 33419
Dubai
United Arab Emirates

Tel : +971 4 3242776
Fax : +971 4 3242778
Email : airblast@emirates.net.ae

Airblast Saudi Trading & Industrial Est.

P.O. Box 30476
Al-Khobar 31952
Kingdom of Saudi Arabia

Tel : +966 3 8473178
Fax : +966 3 8471430
Email : info@airblast.com.sa

Airblast Qatar WLL

P.O. Box 47044
Wakra
Qatar

Tel : +974 4 4631043 / +974 4 4631074
Fax : +974 4 4631154
Email : info@airblast.com.qa

Asia Airblast Pte Ltd.

13, Kian Teck Crescent, #02-00
Singapore 628878

Tel : +65 6266 6010
Fax : +65 6266 6968
Email : airblastsg@singnet.com.sg

AB Corrosion Control Equipment Sdn Bhd

No. 33, Jalan Permas 3/18
Bandar Baru Permas Jaya
81750 Masai, Johor Darul Takzim
Malaysia

Tel : +60 7357 7989
Fax : +60 7357 7689
Email : airblastmy@airblastasia.org

Airblast Equipment India Private Ltd.

#6-1-73/Unit - 207 'SAEED PLAZA'
HDFC Bank Building
Lakdi Ka Pul
Hyderabad 500004-AP
India

Tel : +91 40 6674 8855
Fax : +91 40 6674 8851
Email : info@airblastindia.com