

Curious Metallics - Metal (ECF)

Technical Information

✓ = amendment + = addition ✕ = deletion

Substance g/m ²	120	250	300
Caliper µm (approx)	170	350	440
Smoothness (Bendtsen) TS ml/min WS	800 900	1100 1100	1100 1100
Rigidity (Taber) 15° MD Stiffness Units CD	7.5 4.2	80.0 41.0	145 74
Surface pH	7.4	7.4	7.4

Environmental Information

CONSTITUENTS OF PAPER

Fibre Source – Virgin wood fibre from sawmill residues, forest thinnings and sustainable forests world-wide.

Mill Broke – All broke is recycled and can be as high as 25% of the total fibre content.

Filler – variable up to 20%

BLEACHING

Pulps used in the production of the above grade are Elemental Chlorine Free (ECF) giving a resultant AOX level of < 0.5 kg per 1000 kg of pulp.

DISPOSAL OF WASTE BY-PRODUCTS

Waste to merchants for recovery where possible (e.g. packaging, metal). Final option landfill.

PAPER MILL EFFLUENT

Water is re-circulated internally and when returned to source it is suitably treated in accordance with strict local laws.

ENERGY SOURCE

Gas, back up oil. Total gross primary energy (Paper Mill) – 15.5 Giga Joules / 1,000 kg of paper.

This material is recyclable and bio-degradable.

The Mill has ISO 9002 and ISO 14001 Accreditation.

Technical Capability

Printing Process	-	Litho, Letterpress and Silk Screen . Due to the natural characteristics of metallic/iridescent papers, deep solid areas of black or blue may be difficult to achieve. On press, it is normal for some of the special surface coating to transfer to the blanket. Blankets are likely to require cleaning after 4000 impressions or more.
Screen Ruling	-	150 screen. Under-colour removal may be required on jobs with large dark areas.
Printing Inks	-	Fully oxidising. Laser stable inks for subsequent laser printing.
Embossing	-	Yes
Varnishing	-	Silk screen UV varnishing is the only method to achieve a good gloss finish on this absorbent paper. Ensure sheet is pre-sealed with acrylic or glycol sealer. A matt UV varnish must be laid down prior to gloss UV varnishing. Repeat varnishings may be required. Other machine varnish applications are not recommended.
Sealing	-	Sealers can be used to avoid marking during further processing and handling, although the papers metallic nature will be compromised.
Foil Blocking	-	Yes
Laminating	-	The paper accepts laminates easily, although some 'silvering' may occur. Increase laminating pressure and apply excess adhesive to help reduce silvering. Laminates will reduce or negate the metallic effect.
Spraying	-	The use of spray powder with a particle size of 35 microns or above is recommended when printing board weights.
Creasing	-	To guarantee good folding results, pre-creasing is recommended for grammages of 170g/m ² and above. Creases should be made parallel to the grain of the board. A creasing rule and matrix system should also be used. Fold into the bead for prominent folds.
Laser/Inkjet	-	120g/m ² for desktop, laser and monochrome inkjet printers. Pre-test recommended to satisfy image quality.