

Revive Silk Paper (TCF/ECF)

Technical Information

√ = amendment + = addition X = deletion

Substance g/m ²	100	115	130	150	170	
Caliper μm (approx)	93	113	125	143	168	
Opacity (ISO) %	96	97	98	98.5	99	
Brightness (ISO) % C	88	88	88	88	88	
Whiteness CIE D65	113	113	113	113	113	
Gloss (Gardner) 75°	20	20	20	20	20	
Smoothness (Bendtsen) TS ml/min WS	35	35	35	35	35	
Rigidity (Taber) 15° MD Stiffness Units CD	2.4 1.4	3.1 2.1	5.0 3.0	5.9 3.9	8.9 5.1	
Surface pH	9	9	9	9	9	

Environmental Information

FIBRE SOURCE

At least 75% de-inked post-consumer waste, with the remainder being a mix of virgin fibre and mill broke.

BLEACHING

Pulp is a mix, partly bleached using an Elemental Chlorine Free (ECF) process and partly bleached using a Totally Chlorine Free (TCF) process.

DISPOSAL

This material can be disposed of by recycling, incineration for energy recovery or is biodegradable.

ACCREDITATION

- Produced at a mill that is certified to the ISO14001 environmental management standard.
- This product has been awarded the NAPM Recycled Mark.

Purchasing Policy

The Robert Horne Group is committed to the responsible purchasing of paper products. This commitment will be realised through a stepwise approach to responsible purchasing that utilises the best available techniques and information. Robert Horne requires its suppliers to abide by all local, state and national laws and international conventions. For further information and the full Responsible Paper Purchasing Policy, visit: www.roberthorne.co.uk/environment

Technical Capability

- Printing Process** - Litho and Screen √
- Screen Ruling** - 150 plus
- Printing Inks** - Use of ink formulated for silk coated papers and boards are preferred.
- Embossing** - Yes
- Varnishing** - Machine or UV varnishing are both possible. Best results are obtained on top of emulsion sealing. For very high gloss results, it may be necessary to Matt UV varnish on top of emulsion sealer before Gloss UV varnishing. Good results have been obtained by spot varnishing on solids or dense tones by either method. Any varnish applied directly to unprinted areas of the sheet may cause variations in gloss levels.
- Emulsion Sealing** - Yes
- Hot foil blocking** - Yes
- Film Laminating** - Yes
- Creasing** - If folding material 150 g/m² and above or through a solid or dense tone, pre-creasing is advisable by using a creasing matrix. √

Technical advice leaflet 'Printing and Handling of Silk and Matt Coated Materials is available for use with this product

Robert Horne Technical Department provides all information in good faith,
but may not be held liable for loss or damage arising from action based on this leaflet.

Revive Silk Board (TCF/ECF)

Technical Information

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Substance g/m ²	200	250	300	350		
Caliper μm (approx)	195	250	315	384		
Brightness (ISO) % C	88	88	88	88		
Whiteness CIE D65	115	115	115	115		
Gloss (Gardner) 75°	35	35	35	35		
Smoothness (Bendtsen) TS ml/min WS	40	70	100	100		
Rigidity (Taber) 15° MD Stiffness Units CD	19 14	44 29	72 48	118 74		
Surface pH	9.3	9.3	9.3	9.3		

Environmental Information

CONSTITUENTS OF PAPER

Fibre Source – 75% of the furnish is made from 100% de-inked post consumer waste. The remaining 25% being mill broke and virgin fibres.

Coating – approx 30g/m² **Filler** – approx 20%.

BLEACHING

Recycled papers used in the production of the above grade are combination of Totally Chlorine Free (TCF) and Elemental Chlorine Free (ECF). √

DISPOSAL OF WASTE BY-PRODUCTS

All valuable waste is segregated and re-used/recycled where facilities exist.

PAPER MILL EFFLUENT

Water used is suitably treated prior to use. Effluent is discharged to sewers in accordance with strict local laws.

ENERGY SOURCE

Coal, Gas and Electricity

TOTAL GROSS PRIMARY ENERGY (Paper Mill)

25.5 Giga Joules / 1,000 kg of paper/board.

This material is recyclable and bio-degradable and is an NAPM and Eugropa approved recycled grade.

This product complies with EN71 (BS5665) Part 3 Toy Safety Regulations.

This product complies with ISO 9706 requirements for permanence of paper.

This Mill has ISO 9002 Accreditation. This Mill has ISO 14001 Accreditation.

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