

## Multicopy (TCF) New Shade

### Technical Information

	√ = amendment	+ = addition		X = deletion			
Substance g/m <sup>2</sup>	75	80	90	100	115	160	
Caliper μm (approx)	100	104	116	126	139	189	√
Opacity (ISO) %	90	92	94	95	96	98	√
Brightness (ISO) %	101	101	101	101	101	101	√
Whiteness CIE D65	162	162	162	162	162	162	√
Smoothness (Bendtsen) TS ml/min WS	180 200	180 200	180 200	180 200	180 200	180 200	√ √
Rigidity (Taber) 15° MD Stiffness Units CD	1.7 0.9	2.1 1.0	2.9 1.3	3.2 1.8	4.1 2.4	12.7 5.4	√ √
Surface pH	8.4	8.4	8.4	8.4	8.4	8.4	√

### Environmental Information

#### CONSTITUENTS OF PAPER

**Fibre Source** – Virgin wood fibre from sawmill residues, forest thinnings and sustainable forests in Sweden Germany and Poland. √

**Mill Broke** – All broke is recycled and can be as high as 30% of the total fibre content.

**Filler** – approx 20%. √

#### BLEACHING

Pulps used in the production of the above grade are Totally Chlorine Free (TCF) giving zero AOX level.

#### DISPOSAL OF WASTE BY-PRODUCTS

Incineration, Reclaimed and a small amount to landfill. √

#### PAPER MILL EFFLUENT

Water used is suitably treated then returned to source in a better condition than when removed, in accordance with strict local laws. Water is used many times.

#### ENERGY SOURCE

**Bark & Black Liquor, Gas and Oil** √

#### TOTAL GROSS PRIMARY ENERGY (Paper Mill)

1621 Kwh/tonne. √

*This material is recyclable and bio-degradable.*

*This product has been awarded the Nordic Swan White Emblem.*

*This product meets ISO 9706 requirements for permanence of paper.*

*The mill has ISO 14001 Accreditation*

*The mill is registered according to E.M.A.S. number S-000090* √

### Technical Capability

Printing Process	-	Litho
Screen Ruling	-	Up to 150
Printing Inks	-	Conventional, UV and IR are preferred. High temperature resistant Fully Oxidizing ink for laser printing.
Embossing	-	Yes
Hot Foil Blocking	-	Yes - Laser grade foil available.
Thermography	-	Yes
Laser / copier	-	Mono and colour.
Ink Jet Guaranteed	-	Mono and colour.