

## APACS Specification Standard No. 1

| grammage<br>gm <sup>2</sup> | stiffness taber 15°<br>MD mNm | <b>ISO 2493</b><br>CD mNm | thickness<br>micron |
|-----------------------------|-------------------------------|---------------------------|---------------------|
| 95                          | 0.36 min                      | 0.18 min                  | 115 min             |
| +/- 5%                      | Tolerance                     |                           | +/- 7.5%            |

| smoothness <b>ISO 8791-2</b> | <b>Bendtsen ml/min</b> |
|------------------------------|------------------------|
|                              | 150 max                |

| internal tearing resistance<br><b>ISO 1974</b> | <b>mN</b> |
|--|-----------|
|  | 705 min   |

| CIE whiteness (D65 - 10°) | <b>SCAN - P 66:93</b> |
|---------------------------|-----------------------|
|                           | 60                    |

| moisture content % | <b>Calibrated to ISO 287</b> |
|--------------------|------------------------------|
|                    | 6.5                          |

All testing carried out at 50% RH and 23°C.

All data are specification figures.

## printing

**ocaread** is fully suited to general litho use, web printing, continuous printing and non-impact processes.

## security

**ocaread** can be manufactured to a customised specification with additional security features, which are described in detail overleaf.

## product information

**ocaread** is the leading brand of security papers from Tullis Russell, one of the world's largest manufacturers of cheque papers.

**ocaread** is manufactured in two grades; Document and Sensitised. Sensitised is available with a range of additional, customised security features.

**ocaread** Document is a non-sensitised security paper. Document is ideal for general security printing needs.

**ocaread** Sensitised is a security paper with added chemicals to highlight even the most sophisticated fraudulent alterations. Sensitised conforms to the physical requirements of APACS Specification 3 Part 1 (CBS1).

**ocaread** is compatible with all leading MICR and OCR readers to allow trouble-free encoding and sorting. Ocaread is manufactured to high standards of UV Dull.

**ocaread** is made from 100% Elemental Chlorine Free woodpulp, sourced from carefully managed and renewed forests. Ocaread is manufactured to precise and controlled standards. Tullis Russell is registered under the BS EN ISO 9002 quality assurance scheme.

## applications

**ocaread** is suitable for the following applications:

Cheques, fuel bills, share certificates, dividend warrants, passports and visas.