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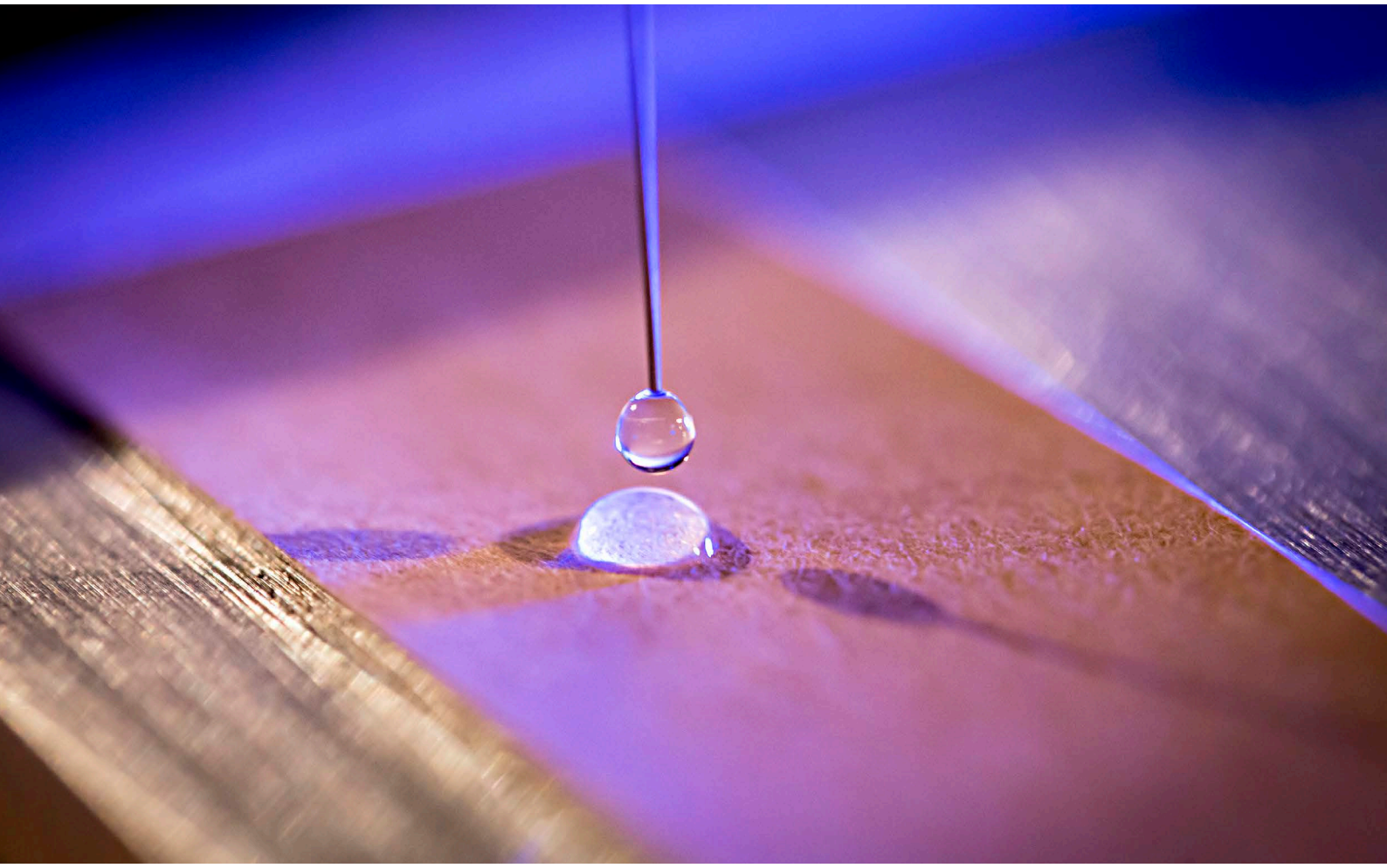
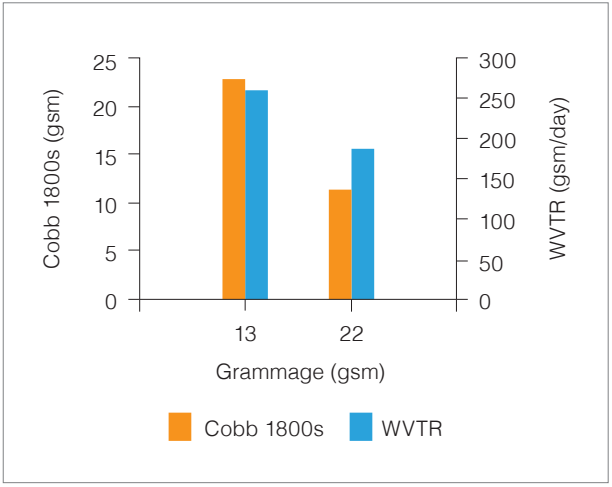


# 001LW Dispersion Coating

A water-based moisture barrier dispersion for coating and flexographic printing.

001LW is a water-based dispersion coating that protects paper, corrugated boxes, cartons and other products from moisture ingress. When applied as a thin layer it creates a physical barrier which reduces the transmission of water vapour and moisture.

The coating has been designed for conventional coating technology but can be also applied by printing, which enables high performance at low application weights.



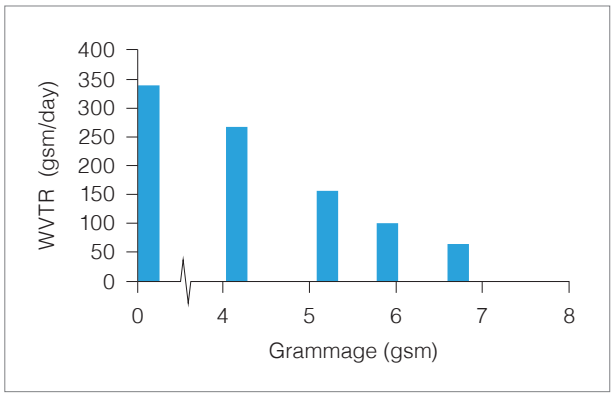

*Performance of rod-coated samples at different application weights.*

Key product attributes:

- Low water vapour transfer rate
- Low Cobb test
- Hot melt, PVA and starch glueable
- Printable
- High gloss
- Provides scuff resistance

Physical properties:

- White liquid/transparent when dry
- Polymer/mineral
- Brookfield viscosity - 250-750 cps (Spindle 3/S63 100 RPM)




*Comparison of water vapour transfer rate (WVTR) at 23 °C, 50% RH applied using flexographic printing.*

## Contact information

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## About Scion

Scion is the Crown research institute that specialises in research, science and technology development for forestry, wood and wood-derived materials, and other bio-material sectors.

Scion's purpose is to create economic value across the entire forestry value chain, and contribute to beneficial environmental and social outcomes for New Zealand.

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