

Oddy tests results

Oddy tests are used to determine whether paints can be used in storage and display situations in museums. The Oddy test is used routinely in many museums. In this test, a sample of material is enclosed with a coupon of cleaned metal. Corrosion is accelerated by adding water to create high humidity and by elevating temperatures (60°C). After 28 days, the extent of corrosion on the metal coupon is used to evaluate the suitability of the material under test for use in the display or storage of artefacts containing that metal.

All Resene colours/paints tested at Te Papa in 2008 passed the Oddy test and are considered suitable for use for museum displays. The following Resene colours/paints were applied to glass slides, cured for a fortnight and then tested:

Slide #	Coating	Tone	Colour	Contains tinters
A	Resene Zylone Sheen VOC Free	White	Acropolis/Half Tea	B, C, F, L
B	Resene Zylone Sheen VOC Free	Mid	Half Cliffhanger	B, C, E
C	Resene Zylone Sheen VOC Free	Light	Highland	C, K
D	Resene Zylone Sheen VOC Free	Pastel	Brandy Rose	F, K
E	Resene Zylone Sheen VOC Free	Deep	Hemlock	C, F, K
F	Resene Zylone Sheen VOC Free	Ultra Deep	Madagascar	B, C, E, I
G	Resene SpaceCote Flat	White	Hawkes Blue	E, J
H	Resene SpaceCote Flat	White	Oasis	G, P
I	Resene SpaceCote Flat	Pastel	Brandy Rose	F, K
J	Resene SpaceCote Flat	Light	Highland	C, K
K	Resene SpaceCote Flat	Mid	Eastern Blue	D, E
L	Resene SpaceCote Flat	Deep	Hemlock	C, F, K
M	Resene SpaceCote Flat	Ultra Deep	Paua	E, I, J
N	Resene SpaceCote Flat	Ochre	Himalaya	B, C, K
O	Resene SpaceCote Flat	Green	Dell	C, K
P	Resene SpaceCote Flat	Magenta	Sensual Red	F, H, I
Q	Resene SpaceCote Flat	Red	Havoc	P
R	Resene SpaceCote Flat	Yellow 2	Fireball	G, M