

# technical data sheet – No.203

## COLOURCOTE

TDS203/191120

### GENERAL DESCRIPTION

Colourcote is a pigmented waterborne system suitable for coating internal timber or timber based doors and frames. It is formulated with non-yellowing polyurethane and acrylic resins to maintain colour over time. It is spray applied with specialist equipment and once fully cured has a hard wearing surface with good chemical resistance.

It is ideal for use in Schools, Hospitals, Care Homes, Hotels, Restaurants, Residential Accommodation including Kitchens, Bathrooms and Bedrooms. It is not harmful to the environment and can be applied with an anti-bacterial additive.

Colourcote is a high quality factory applied finish with a smooth sheen appearance in a range of RAL colours. It exceeds the quality and performance but is not meant to compete with brush or roller applied site finishes.

### BENEFITS OF COLOURCOTE

The quality of finish is far superior to site applied paint, offering consistent finish, uniform colour and texture, precisely finished with no messy cutting in around glazing and hardware.

The easy to specify option aids speed of construction by removing the process of painting, the restrictions that causes and very importantly reduces the amount of harmful chemicals used and disposed of on site.

### HANDLING

The Colourcote finish cures sufficiently for the general handling and transit of doors within 24 hours of application. The full curing process can take 25-30 days in poor climatic conditions initially leaving the coating impressionable to scratches and knocks. Colourcote does not cure or mark any differently to other factory applied finishing systems and once fully cured provides a quality durable finish. The installer must apply good levels of protection to Colourcote finished door leaves and frames and treat the products as they would any other factory finished doorset or piece of furniture.

### PERFORMANCE

Testing was carried out on a finished panel to determine the durability of the surface finish and adhesion of Colourcote 3800 series. A sample panel was subjected to various tests to assess the performance of the coating from impacts, scrapes, liquid and chemical spills. Each result is given a performance rating from 1 to 5, 5 being the highest.

#### Impact Test

A 19mm diameter steel ball weighing 28g was dropped onto the surface from a height of two metres as required by BS 3962 impact test to assess for mechanical damage. A partial crack was visible at the area of indentation. Test Performance Rating 4, Pass.

#### Scrape Test

Surface and substrate tests were carried out in accordance with BS 3962. Surface penetration level was at 4.2N and substrate penetration at greater than 25N. Test Performance Ratings 3 and 5, Pass.

#### Cold Liquid Test

In accordance with BS EN 12720, Ethanol (44%), Disinfectant (Phenol), Disinfectant (Chloro), Paraffin Oil, Blackcurrant Juice, Ammonia Solution (10%), Acetic Acid (4.4%) and Olive Oil were left on a cream Colourcote surface for a period of 1 hour. With a light source mirrored on the test surface and reflected towards the observer there was no change or minor change to colour or surface finish and no change to the surface structure. Test Performance Ratings 4 and 5, Pass.

#### Wet Heat Test

Tests for wet heat were conducted in accordance with BS EN 12721 and BS EN 12722. The results showed that with wet heat at 55°C there was no change and at 70°C there was only minor change. Test Performance Ratings 4 and 5, Pass.