



SUPPLEMENTARY Data sheet

Surrey NanoSystems	v1.0
Date issued	Oct 2017

FILM PROPERTIES

Chemical resistance	Not resistant to solvents, strong alkaline or acid liquids
Heat resistance	Long term 65°C, short term 80°C
Water resistance	Will tolerate the levels of atmospheric humidity present in normal interior environments. Can be directly wet with water and will return to normal appearance once dry.
Abrasion resistance	Light handling only
Composition	Solvent based paint
Volume solids	20% nominal

HANDLING

Non-hazardous	These finished coatings contain no irritants or materials seen as hazardous by international regulatory bodies and can safely be used in open areas. Because of their limited resistance to abrasion and grease they are not suitable for areas directly contacted by people.
Personal protective equipment	During application the sprayer should wear the full recommended PPE as solvents and fine particulates are generated
Cleaning up	After use, remove as much paint as possible from equipment before cleaning with hot soapy water. The wet black paint will coagulate when rinsed with water and can be removed with paper towels. Spray guns should be rinsed with acetone at the end of the cleaning process. Dried black paint will need to be removed with alcohol or acetone solvent.
Transportation and storage	Available in bulk 25lt or 200lt shipping containers. Do not use or store in extremes of temperature and protect from frost. Store as a highly flammable material. To prevent spillage please store and transport upright.
Volatile organic compounds	VOC content 700g/L in compliance with EU Directive 2004/42/CE Special Finish coatings.

PREPERATION

Surface preparation	Surfaces must be sound, clean, dry, and free from all defective or poorly adhering material, dirt, grease and salts. New plaster and masonry must be fully dry before priming. Porous surfaces must be sealed prior to application. Paint must be thoroughly mixed prior to application To achieve the stated reflectance (colour) the paint must be applied in a controlled spray method which requires training from SNS. Further conditions in line with British Standard BS6150.
Practical coverage	Allow roughly 2L of paint per 1m ² area. This will result in a thickness of 100-300um. Paint must not be thinned
Spray application	VBx2 can only be applied by trained spray contractors
Drying time	Surface is touch-dry after 15 mins and can be re-coated

Surrey NanoSystems Ltd
Unit 24 Euro Business Park
New Road
Newhaven BN9 0DQ, UK

T: +44 (0) 1273 515899
E: enquiries@surreynanosystems.com
W: www.surreynanosystems.com