App International Pty Ltd · 3 Wulbanga Street, Prestons NSW 2170, Australia · Ph 1300 571 757
App International Asia · Jakarta, Indonesia · www.appinternational.com.au

PRODUCT

Pyrok® 9142 is a two component water borne adhesive developed for bonding applications in aerospace and mass transit interiors. Formulated to have good fire, smoke and toxicity performance. The product is heat reactive and is suited for large surface areas such as train / bus floors or curved three dimensional profiles.

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Characteristics

- High shear and peel strength
- Re-positionable
- Low coat weight
- High specific adhesion
- Spray-able and brush-able
- Fire retardant
- Solvent free
- Excellent long term durability

Technical characteristics

Base Material	Polyurethane
Consistency	Liquid
Colour	White Transparent when dry
Curing System	Evaporation and cross linking with Activator 420
Mix Ratio	3 - 5% of Activator 420
Density (g/ml)	1.1
Dry Time (min)	30 - 35
Solids Contents (%)	50
Pot Life (hrs)	8
Peel Strength (N/25mm²)	300
Reactive Time (hrs)	8
Viscosity C&P @ 0.6 s-1 (Pa.s)	0.05 - 0.1

Applications

- Bonding of vinyl floor covering, leather, composite leather and fabrics in aerospace, bus, coach, rail and automotive industries

(*) These values may vary depending on environmental factors, such as temperature, moisture and type of substrates.

Packaging

Contents	1 Litre tin & 5 litre tin
Shelf life	6 months in unopened packaging, in a cool and dry storage place at temperatures between +15°C and +25°C

Substrates

Nature	Bond leather, fabric, PVC, polyurethane, rubber etc. to aluminium, wood, GRP, Nomex type honeycomb, faced plywood etc. Once fully cross linked Pyrok® 9142 has a good temperature and moisture resistance

Application

Method	Spray gun, brush or roller
Application temperature	+55°C to +70°C
Equipment	Spray equipment should be flushed after each use (or daily) using soapy water. Air cap, exterior parts to spray gun and pressure pot should be cleaned using soapy water and Scotchbrite type scouring pad.
Tooling	Remove excess with Formoa® Clean-up Wipes
Repair with	Pyrok® 9142

Resistance to chemical agents

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons





Remarks, Disclaimer & Health and safety

Remarks - Pyrok® 9142 can be coated with many types of paints and varnishes. Due to the large variety of paints and coatings a compatibility test is strongly recommended. The drying times of alkyd resin based paints may increase. Pyrok® 9142 can be painted immediately after application "wet on wet" with water-based industrial paints in paint ovens at temperatures of up to 200°C for up to 45 minutes. Pyrok® 9142 can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate, etc. May differ from manufacturer to manufacturer, we recommend preliminary compatibility tests. This product cannot be used as glazing sealant. See specific application instruction, available on request.

Disclaimer - The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deducted from this information, written recommendation or any other type of suggestion offered. Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by us, of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end user.

Health and safety - Refer to Safety Data Sheet (SDS) for further information. Apply the usual industrial hygiene.

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