

Always use correct Personal Protective Equipment

CONTAINERSHIELD INTERIOR

Description



ContainerShield Interior is a fast drying, low odour single pack waterborne. It is a light anti-corrosive coating designed for refurbishment of container interiors. ContainerShield Interior displays easy application using Air Assisted Airless or Airless spray whilst the 1-coat application allows increased productivity. ContainerShield Interior is easy to touch-up, with good sand-ability.

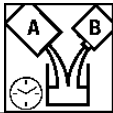
Note: Not recommended as an exterior coating.

Key benefits



- Water based
- Extremely fast dry
- Excellent coverage & hiding
- Spray, roller or brush application
- Low to no odour
- Low VOC
- No solvents/ dangerous goods/ explosion risk
- Excellent application attributes

Products



PRODUCT "READY FOR USE" RFU

Properties

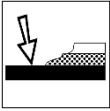


Product Type:	Waterborne Acrylic
Colour:	Grey
Pot Life:	N/A
Induction Time:	N/A
Application equipment:	Spray Roller or Brush
Recommended DFT:	30 µm
Recommended WFT:	80 µm
Theoretical Coverage:	12 m ² /L this is only a guide due the varying methods of application equipment.
Coverage:	1 Coat application
Volume Solids:	36%
Recoat-ability:	Can be recoated after 30 minutes (In Ideal Conditions)
VOC:	
Durability:	Very hard durable coating when fully cured
UV resistance:	Poor
Gloss Level:	Satin
Sand ability:	Excellent adhesion to stated prepared substrates
Levelling:	Excellent
Vertical Holdup:	Excellent
Ideal Spraying Conditions:	Minimum temperature 10°C and less than 75% humidity

No warranty either expressed or implied is made by RALI in this document, which is a technical data sheet. The description of the product and its properties is for the sole purpose of identifying the product and does not constitute a warranty that the product or its properties shall conform to that description, nor is the description of the product and its properties a warranty by RALI that the goods are suitable for a particular purpose.

Always use correct Personal Protective Equipment

Substrates



ContainerShield Interior can be applied as a top coat over correctly prepared:

- Steel
- Sanded cured substrates.
- Sanded cured 2K substrates
- Wood
- And many other substrates – check with supplier

Surface Preparation



Container Interior Refurbishment: Clean thoroughly to remove all dirt, dust and loose material. Ensure surface is free from oil, grease and mould. Scuff any repairs then apply directly to all bare metal areas and pre-painted container interior.

Coating performance is in general, proportional to the degree of surface preparation. Surfaces to be painted must be clean, dry and free from all traces of contamination and corrosion.

Spray Equipment:



Airless Spray Gun Graco 495 or Similar
Tip Size: 13 Thou
Spray Pressure: 110– 135 Psi

Air Assisted Airless Graco or Similar
Tip Size: 2.2 Setup
Spray Pressure: 45-55Psi



Conventional Spray
Tip Size: 2.2 Setup
Spray Pressure: 41-55 Psi

Note:

- 1) *When spraying, use the correct gun set up as recommended by your equipment supplier.*
- 2) *Application techniques should be adjusted as necessary to achieve the recommended dry film thickness. It is good practice to check this process on a small sample prior taking on a large project.*
- 3) *If you do not have a controlled environment with good air flow to spray in it is good practice NOT to continue if relative humidity is above 75% and in particular if temperatures are below 10°C or below 3°C of Dew Point.*
- 4) **All spray setups are recommended starting points and may need adjustments to suit the equipment and conditions.**

Directions For Use



Mixing: Stir thoroughly, mixing from the bottom of the pail towards the top.

Thinning: N/A

Application Method: Air Assisted Airless or Airless

Dry Time: Touch dry – 20 minutes / Handling – 1 hour @ 20°C **(In ideal spraying conditions)**

No. of Coats: 1

Clean up: Clean up in water

No warranty either expressed or implied is made by RALI in this document, which is a technical data sheet. The description of the product and its properties is for the sole purpose of identifying the product and does not constitute a warranty that the product or its properties shall conform to that description, nor is the description of the product and its properties a warranty by RALI that the goods are suitable for a particular purpose.

Always use correct Personal Protective Equipment

***Best Practise: use a fan to ensure adequate air circulation which dispenses excess water to achieve stated dry times.**

Drying and curing of waterborne coatings:

- 1) **Ensure air temperature is at least 10degs C and rising at time of application**
- 2) **Ensure humidity is less than 75% rH and falling**
- 3) **Ensure no precipitation is forecast if outside for 4 hours after completion of application**
- 4) **Ideal environmental conditions are 15-25degs C with a breeze of approximately 15km/h, and rH of less than 75%.**
- 5) **Direct hot sunlight can cause skinning of the painted surface, so protect if possible in these conditions.**

Health & Safety



ALWAYS READ THE SAFETY DATY SHEET (SDS) PRIOR TO USE.
Observe the precautionary notices displayed on the container.

Transport & Storage



Sizes:	10L, 15L
Dangerous Goods: UN:	N/A
Hazchem:	N/A
Packing Group:	N/A
Shipment name:	N/A
Flash point:	N/A

No warranty either expressed or implied is made by RALI in this document, which is a technical data sheet. The description of the product and its properties is for the sole purpose of identifying the product and does not constitute a warranty that the product or its properties shall conform to that description, nor is the description of the product and its properties a warranty by RALI that the goods are suitable for a particular purpose.

14/05/2018 reference H3972

Resene Automotive and Light Industrial, 4 Te Apunga Place,
Mt Wellington, Auckland Phone 09 2592742, mobile
0272588536 Contact Richard Muirhead richard@rali.co.nz

Global Proficiency Ltd for AsureQuality Ltd,
Unit 2/25 Mareno Rd, (P O Box 1335)
Tullamarine Vic 3043, Australia +61 3 9089
1151
Global Proficiency Ltd for AsureQuality Ltd,
Ruakura Research Centre, 10 Bisley Road,
Enderley, Hamilton 3241, P O Box 20474
Hamilton

To whom it may concern,

Container Shield Interior

- Product description: fast drying, low odour, single pack anticorrosive acrylic paint, waterborne
- For use for: recoating interiors of shipping containers for food / dairy and related use


"Passed AsureQuality assessment for food/beverage/dairy recoating interiors of shipping containers" H3972 with conditions. This assessment was prepared by Global Proficiency Ltd using HACCP principles to determine equivalence with food standards listed below. See <http://assessedproducts.asurequality.com/>. This supports food Risk Management Programmes & other endorsements that may apply to this product include MPI regulated farm dairy approval, MPI dairy factory endorsement, MPI regulated non-dairy animal product approvals, EPA HSNO-OSH-environment approval (& previously AQIS).

Conditions:

- Used per instructions (Resene TED & SDS sighted), legislation, & GMP.
- Use with direct inspection before food loading after curing and airing to avoid food taint/ residues.
- The assessment is subject to notification of change and expires on 14/05/2023.
- The full report is attached for supplier review and verification. The assessment is activated by countersigning. (This appeared safe & non-tainting per relative safety of raw materials, & virtually no paint volatiles lost after 24 hours, no odour of dried paint, & preservation vs micro growth).

Prepared by Global Proficiency for AsureQuality Ltd by
Bob Hutchinson PhD SENIOR DEVELOPMENT SCIENTIST



Supplier:  Date: 14/5/2018

Scope and purpose of the assessment:

- Asurequality assessment is a non-regulated, voluntary, and evidential certification by the supplier demonstrating equivalence with food safety standards, and also that product instructions address hazards for staff & equipment. The assessment is independently confirmed, without prejudice or guarantee, using information submitted by the supplier or from other sources. Confidentiality of the product formulation is maintained using coded material identifiers in the report, and appendices containing confidential information are provided only to the supplier.
- Scope: NZ checks (FSANZ, US FDA 21 CFR/ NSF, Food Chemicals Codex, EPA NZ, EU, French culinary listings or related data for equivalent safety). NZ background (Animal Products Act, Risk Management Programmes. Detergent & Sanitiser Manufacturer's Code of Practice, Detergent & Sanitiser Standards and Analytical Methods. Quality Manual - Assessment Procedures

Summary of assessment with risks highlighted:

- Registrations held (new AsureQuality assessment).
- Food safety/toxicity (This appeared safe & non-tainting per (1) relative safety of raw materials listed In confidential appendix / section 1.(2) intermediate volatiles properties are listed by Resene & summarised in the table (3) virtually no paint volatiles lost after 24 hours, no odour of dried paint, & presence of preservative vs micro growth (4) Resene IANZ "Determination of gas in gassing paint - no gassing. Odour assessment per APAS AP-S0215 - 4 hour samples ratio odour/offensive odour >2).
- QA (AS/NZS ISO 9000 series not sighted or required for non-contact).
- QC specs (Durability during field use was unrecorded & could be added here. Microbiological control - as above in section 1).
- Instructions –
 - TDS (Resene fast drying, low odour, single pack anticorrosive acrylic paint waterborne applied by airless spray or air assisted airless spray & not recommended as exterior coating. Benefits (water based, fast drying, covers & hides, use spray, roller or brush, low or no odour, low VOC. no solvents/ DGs or explosion risk & application attributes. Properties (Water-born acrylic grey for spray roller or brush application, recommended DFT 30 microm, WFT 80 microm, coverage 12 m2/L, 1 coat application, very hard durable fully cured, VOC -, UV poor, gloss satin, excellent adhesion, levelling, vertical holdup, apply +C. Applied as topcoat for correctly prepared steel, wood etc substrates/ Container refurbishment cleaning listed. spray equipment listed, notes & directions for use, drying & curing >10C, <75% humidity, etc details).
 - SDS (Containershield interior identifiers / contacts. Hazards (acute & chronic hazards category 3, 9.1C & 9.1D), hazardous composition (says no hazardous ingredients). Lists. Exposure controls (no numerate limits available). Properties (includes pH 8-9). Toxicology (says mostly data not available). Ecology (mostly no data available) Transport (non-DG), Regulatory (NZIoC surface coatings & colourants subsidiary hazard). Approved handler & tracking on AICS & NZIoC (says all ingredients on inventory).
- Unwanted effects (HSNO etc per SDS & EPA NZ scope. Production side effects (pass test per weight loss and odour checks above).
- Hygiene efficacy (Cleanability is n/a since touch up is prior to loading)