

Always use correct Personal Protective Equipment

ARMOURCOTE 943 WATERBORNE TOP COAT

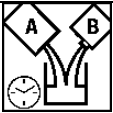


DESCRIPTION

Armourcote WB943 Top Coat is a single pack gloss top coat, specifically designed for refurbishing light industrial machinery or other steel items. This very fast drying, high build product works most efficiently when applied through industry standard spray equipment such as air assisted airless, airless conventional, pressure pot or suction, gravity type spray guns. The one to one and a half coat application, allows increased productivity, excellent coverage and dries to a gloss finish.

Key benefits

- Excellent UV resistance
- No solvents and no explosion/fire risk
- Low to no odour
- Extremely fast drying
- One coat coverage for most colours
- Extremely durable
- Hard surface when fully cured



MIXING

PRODUCT "READY FOR USE" RFU



PROPERTIES

Product Type:	Waterborne Acrylic
Colour:	Any Resene Colour
Pot Life:	N/A- approx. 2 years shelf life
Induction Time:	N/A
Application equipment:	Air assisted airless, suction or gravity
Recommended DFT:	50um
Recommended WFT:	120um
Theoretical Coverage:	8-12 sqm per litre
Volume Solids:	41%
Recoat-ability:	30 minutes (with correct drying environment)
VOC:	1grm per litre
Durability:	Extremely good

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UV resistance:	Excellent
Gloss Level:	Full gloss
Levelling:	Excellent
Vertical Holdup:	Excellent



APPLICATION

Substrates

can be applied over correctly prepared:

- Steel
- Sanded cured substrates
- Primed ferrous and non-ferrous substrates
- Blasted steel profile of SA 2 ½ is ideal

Surface Preparation

Bare metal/spot repairs: Bare metal should be primed with Armourcote WB910 Primer, ensuring all rust and contaminants are removed first.

Coating over previously painted substrate: Clean thoroughly to remove all dirt, dust and loose material. Ensure surface is free from oil, grease, mould and any other contaminants which may affect the adhesion or compatibility of the coating to be applied. Ensure any priming coats are cured dry and within their recoat window, prior to application of Armourcote WB943 Top Coat.

Coating performance is in general, proportional to the degree of surface preparation.

Spray Equipment

Airless Spray Gun - Graco 495 or similar

Tip Size:	13 thou
Pump pressure:	3000 psi
Spray Pressure:	110-135 psi

Air Assisted Airless - Graco or similar

Tip Size:	1.5 setup
Spray Pressure:	45-55 psi

Conventional Spray

Tip Size:	1.4-1.8 set up
Spray Pressure:	50-55 psi

Note:

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- 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) All spray setups are recommended starting points and may need adjustments to suit the equipment and conditions.

CAUTION: Prior to using 943 in air or air assisted pumps, we recommend that the pump and spray equipment is stripped and cleaned to remove any contamination from solvent based paints. This includes replacing the lube with a water based product such as Binks Water based lube, which is available from Resene Automotive and Light Industrial.



DIRECTIONS FOR USE

Mixing:	Stir thoroughly, mixing from the bottom of the pail towards the top.
Thinning:	Do not thin without getting advice from Resene.
Application Method:	Air assisted airless, suction, gravity spray.
Dry Time:	Touch dry- 20 minutes
No. of Coats:	One to one and a half
Clean up:	Clean up in water

*Best Practise: use fans and heaters to achieve minimum air temperature of 15°C, and airflow equivalent to 10km/hr across the surface of the substrate.

Drying and curing of waterborne coatings:

- 1) Ensure air temperature is at least 10deg C and rising at time of application
- 2) Ensure humidity is less than 75% rH and falling
- 3) Good airflow across the surface of the painted product of approx. 15km/hr is an important factor in drying and curing times.
- 4) In ideal conditions the product will be dry to touch within 20 minutes if applied correctly.
- 5) Ensure no precipitation is forecast if outside, for 4 hours after completion of application. Protect the product from all water contact including dew for a minimum of 48 hours after application.
- 6) Direct hot sunlight can cause skinning of the painted surface, so protect the product in these conditions.



HEALTH & SAFETY

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

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Transport & Storage

Sizes:	4L, 10L
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Dangerous Goods:

UN:	N/A
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Hazchem:	N/A
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Packing Group:	N/A
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Shipment name:	Paint
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Flash point:	N/A
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No warranty either expressed or implied is made by RALI in this document, which is a technical data information 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. Do not apply paint if relative humidity is above 85% or temperature is within 3 deg C of Dew Point being the MPT or **Minimum Paint Temperature**

14/06/2022 reference H4653

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To whom it may concern,
Armourcote 943

- Product description: fast drying, low odour, low VOC, gloss waterborne top-coat, tint-able, designed applied over anti-corrosive primer (Armourcote 910)
- For use for: food areas non-contact applied primarily to steel like piping, motors, gearboxes, conveyor structures etc

"Passed AsureQuality assessment for food/beverage/dairy farm & factory food areas, no food contact, & food distanced during application to avoid taint / nuisance" H4653 with conditions. The 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, legislation and GMP for food areas, no food contact, & food distanced during application to avoid taint / nuisance. Carry-over to food should avoided.
- The assessment is subject to notification of change and expires on 15/06/2027.
- The full report is attached for supplier review and verification. The assessment is activated by countersigning & inclusion of assessment precautions / assessment statement / MPI dairy precautions statement & this does not allow use of the word approval or of the AsureQuality logo.

Prepared by Global Proficiency for AsureQuality Ltd by Bob Hutchinson PhD Snr Dev Sci



Supplier:.....



Date: 14/6/2022

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 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 of checks (Food Standards Australia NZ, NICNAS AICS, US FDA 21 & 40 CFR/ NSF, Food Chemicals Codex, EPA NZ EU, French culinary listings, WHO or MPI, or related data for equivalent safety). Background (Accord, 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). Regulatory (HSR002670 surface coatings and colourants (subsidiary hazard group. ingredients on TSCA, AICS & NZIoC inventories).
- Food safety well covered for food area non-contact (& has safety margin in case of incidental contact) per (1) distanced to food areas non-contact (has safety margin) (2) ingredients listed below held in polymer or had partial data or at very low level compared to the food/ safety reference list above. Some free ammonia low risk vs milk level of 6 ppm (3) purity sighted C of A - very complete (4) carry over to food - nil per non-contact, binding in polymer & MW size of some ingredients).
- QA (AS/NZS ISO 9000 series not sighted or required for non-contact).
- QC specs (has had use with some exposure to general alkaline cleaners without problem w/o specific chemical resistances).
- Instructions:
 - Label (Warning keep out of reach of children, safety precautions, first aid, preparation, application and contacts) Bulletin (sighted properties etc). TDS (Refurbish light industrial / steel items & list applications & properties & no solvent vs fire risk and touch dry in 20 minutes).
 - SDS (Resene Armourcote 943 Hazards (H315 causes skin irritation H319 causes serious eye irritation. H412 harmful to aquatic life with long lasting effects). Composition (Ammonium hydroxide CAS 1336-21-6 1-3%. N.N Dimethyldodecamide CAS 3-07-53-2 1-3%). Exposure controls for ammonium hydroxide TWA 17 mg/m3, STEL 24 mg/m3). Properties (pH 8-9, etc) No adverse effects expected. No ED Directive class for ingestion harm. Data for ammonia effects). Regulatory (HSR002670 surface coatings and colourants (subsidiary hazard group. ingredients on TSCA, AICS & NZIoC inventories).
- Unwanted effects (HSNO etc per SDS & EPA NZ scope. Production side effects n/a per non-contact & likely to suit touching up in food plants etc. due to no solvents/VOC/smells etc.
- Hygiene efficacy (customer uses it already on the outside of gearboxes and motors, which are commonly used in dairy and food areas with usual exposure to (alkaline) detergents etc.)