

PRODUCT TECHNICAL DATA SHEET



PDS No: 9058

Product Details

Product Code: 5010
Product Name: AQUA Clear
Other Name(s): Waterborne Clear Varnish

Description

APCO Aqua Clear is a premium, single pack, water based polyurethane varnish. It is an extremely tough, mar resistant, clear finish suitable for interior timber floors along with walls, doors, windows, trims and furniture.

Features and Benefits

- Easy application
- Excellent flow and application properties
- Excellent gloss retention
- Extremely hard wearing, durable finish
- Suitable for floors in domestic and commercial areas.

Limitations and Precautions

Do not apply when the surface temperature is below 10°C or above 35°C.
Do not apply when humidity is 85% or above.

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Physical Properties

Resin Type	Water based polyurethane dispersion
Colour	Clear (colourless)
Gloss at 60° viewer	Low Sheen
Typical gloss terminology:	Gloss
Full gloss	85% – 100%
Gloss	60% – 84%
Semi-gloss	20% – 59%
Low sheen	5% – 19%
Flat	0% – 4%
Specific Gravity(Kg/Ltr)	1.032
Coverage (m²/Ltr)	10 – 12
	Practical coverage may depend on surface profile, absorbency, method of application and loses.
No. of coats	Two
	Minimum of two. For Floors, three coats will give better results
Recommended Film Thickness (WFT)	150 µm / coat
Dry Film Thickness (DFT)	70 µm
Dry Times(Touch Dryat 20°C and 60%RH)*	60 minutes
	*(cooler temperatures, higher film thickness and higher humidity can extend the drying time)
Recoat time	2 - 4 hours
Flash Point	Not applicable
Packaging Sizes	10L,4L
Thinner and cleanup	Water
Theoretical VOC(g/L)	Not determined

Surface Preparation

Remove all dirt, dust, wax, grease and any other contaminants. Sand the surface uniformly along the grain marks and dust off. Fill surface imperfections like nail holes, cracks etc with a suitable filler. Sand repairs smooth and dust off.

Undercoat Requirements

Not Applicable

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Application and Process

Apply by brush, roller or airless spray.

Stir the contents thoroughly before and during use.

On a new surface, apply one coat of APCO Aqua Clear, thinned 20% with water, to seal the surface. For very soft and porous timbers, two sealer coats may be required. For hard timbers the sealer coat may require 20% thinning to affect better penetration. Sand the surface lightly after 2 - 4 hours to obtain a smooth finish. Apply one or two further coats of APCO Aqua Clear with a minimum of 2 hours recoating interval.

On a previously varnished surface, clean and sand the entire surface. For best results, the previous coating should be removed completely.

If the previous coating is not removed, it is advised that a small test application be done to confirm adequate adhesion and compatibility.

If adhesion is confirmed, then one or two coats of APCO Aqua Clear can be applied.

Health and Safety

Please refer to Safety Data Sheet before use

Use in well ventilated areas

First Aid:

Eyes and Skin irritation – Wash with large amounts of fresh running water

If swallowed – drink 2-3 glasses of water and seek appropriate medical advice.

Inhalation-In case of exposure to high vapour concentration leading to dizziness,nausea,headache ,move the person to fresh air environment and consult a doctor

AQUA clear is a water reducible non toxic coating. It is non flammable and requires no specific handling. We recommend the use of a barrier cream for hands when applying.

Transport	:	N/A
Class	:	N/A
Hazchem	:	N/A

Storage

Avoid freezing or temperatures in excess of 50°C

Self Life 12 Months

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Spillage and Disposal

Use rags or sawdust to contain any spill and then dispose of through a commercial waste disposal organisation.

Please refer to the updated versions of Safety data sheet(SDS) and Technical Data sheet (TDS) before using any APCO Product.

KEEP OUT OF REACH OF CHILDREN

APCO Coatings (NZ) Limited

Ph. (09) 2733 041. Fax. (09) 2733 045. Physical Add. 14 Ron Driver Place, East Tamaki, Auckland 2013

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