

# PRODUCT TECHNICAL DATA SHEET



PDS No: 9042

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## Product Details

**Product Code:** 58190 (58190/A Base:58190/B Hardener)  
**Product Name:** 2 Pack WB Epoxy Clear Sealer  
**Other Name(s):** 2K water based gloss epoxy sealer

## Description

Formulated to aid in penetrating the surface and binding loose or aged concrete or plaster, providing a sound, firmly adherent base for epoxy top coats. The water based formulation can be applied to damp substrates and remains vapour permeable during curing.

## Features and Benefits

The water based formulation offers the advantage of fast cure, easy clean up and low odour. Benzyl alcohol free. Excellent water vapour permeability – can be applied to damp substrates. Visible end of pot life indicated by rapid viscosity increase.

- Chemical resistant
- Excellent gloss retention
- Extremely hard wearing, durable finish
- Impact resistant

## Limitations and Precautions

Not recommended for extreme chemical environments, or areas of high physical abuse if used without a topcoat. Not recommended without topcoat for areas of high UV exposure. Product will yellow and lose gloss under these conditions. Ensure air and substrate temperature are above 5°C before and during application.

Overcoat within 3 days. If longer than 3 days elapses before recoating, surface should be first sanded using 120-150 grit sandpaper. Thoroughly remove sanding dust by vacuuming and washing.

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## Physical Properties

<b>Resin Type</b>	Epoxy / Amine
<b>Pigmentation</b>	None
<b>Odour</b>	Low to Neutral
<b>Colour</b>	Clear (colourless)
<b>Opacity</b>	transparent
<b>Gloss at 60° / 85° observer</b>	> 85% / >75%
<b>Specific Gravity(Kg/Litre)</b>	1.06 – 1.07 (part A) 1.10 – 1.12 (part B) 1.08 – 1.09 (part A + B mixed)
<b>Volume Solids</b>	69% (part A & B combined)
<b>Coverage (m<sup>2</sup>/Litre)</b>	10 - 12
<b>No. of coats</b>	1
<b>Flow &amp; Levelling</b>	Excellent
<b>Hardness</b>	Excellent
<b>Dry Times(at 20°C and 60%RH)*</b>	2 hours (touch dry)
*(cooler temperatures, higher film thickness and higher humidity can extend the drying time)	
<b>Recoat time</b>	24 hours
<b>Cure</b>	Overnight (20°C/65% RH)
<b>Walk On Time</b>	20-24 hours (20°C/65% RH)
<b>Primer</b>	Not Required
<b>Wet Film Thickness (µm)</b>	150 µm
<b>Dry Film Thickness (µm)</b>	70 µm
<b>Flash Point</b>	Not applicable
<b>Packaging Sizes</b>	4 L
<b>Thinner and cleanup</b>	Water
<b>Theoretical VOC(g/Litre)</b>	152 g/L
<b>Pot Life</b>	90 minutes
<b>Mix Ratio (A:B)</b>	100:60 (weight) 100:58 (volume)
	Packed as 68.5% by volume/weight (A+B) remainder 31.5% customer will add water.
<b>Coats</b>	One
<b>Theoretical Coverage (m<sup>2</sup>/Litre)</b>	5 - 15 m <sup>2</sup> /L Coverage depends on surface profile and porosity.

## Surface Preparation

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To ensure a successful application all surfaces to be coated must be clean, dry and stable. All cracks/holes and joints need to be treated as appropriate to suit the situation. Do not expect paint to bridge moving cracks/joints.

Note: Commencement of work on a surface means in general you accept that surface. If any doubt about condition etc, seek advice.

Concrete, this can be pre-formed, sprayed or concrete block then plastered. If it's plastered, it is either sand and cement, or what's commonly referred to as marble plaster.

Fibrolite cement board, remove any sanding residue and loosely adherent material.

### Application and Process

Add all contents of Part B to Part A (Use a flat ended stirrer or spatula to scrape out contents of Part B). Mix Part A and Part B for several minutes or until uniform, using a mechanical mixer such as an electric drill and paddle. Use slow speed to avoid aeration.

When fully mixed, add water to 4 litre fill mark (3-4cm from top of pail), and mix again until uniform.

ONLY ADD WATER AFTER PARTS A & B HAVE BEEN FULLY MIXED TOGETHER.

Product can be applied by brush, or 8-12mm nap Dacron roller. Apply at 5-15 m<sup>2</sup>/ltr, depending on porosity of substrate. If surface still appears porous after curing, a second coat may be applied.

The sealer must be fully cured (no milky patches) before application of top coats.

**SECOND COAT MUST BE APPLIED WITHIN 24 HOURS OF PREVIOUS COAT.**

### Thinning & Clean Up

Clean up in water. Use a small amount of detergent to aid clean up.

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## Health and Safety

- Please refer to Safety Data Sheet before use

### 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

2 Pack water based gloss epoxy sealer 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	:	Not Applicable
Class	:	Not Applicable
Hazchem	:	Not Applicable

## Storage

Avoid freezing or temperatures in excess of 50°C. Self Life 12 Months

## Environmental

DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET.

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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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