

CAP FIRE RESISTANT COATINGS

TESTED AND APPROVED FIRE RATED SYSTEMS - MARCH 2011

The CAP logo is a red circle containing the word "CAP" in white, bold, sans-serif capital letters. A small registered trademark symbol (®) is located at the top right of the letter "P".

CAP[®]

NON DESTRUCTIVE PRACTICABLE FIRE ENGINEERING SOLUTIONS FOR COMBUSTIBLE SUBSTRATES

CAP FIRE RESISTANT COATINGS - the next generation of coatings and passive fire protection technology. CAP technology delivers cost effective practicable building refurbishment and historic building solutions to meet today's passive fire protection standards of up to 90 minutes fire resistance.

Designed primarily for use on ceilings and walls, CAP Coatings can be applied to a wide range of substrates. Suitable for most interiors and selected exteriors, with approved top coats, CAP Coatings deliver a paint quality finish in your choice of colour, and an interior clear low sheen finish for wood. The low VOC, fast drying, water based technology makes for quick and easy application and clean up with low impact on the environment.

CAP Coatings systems have passed numerous international fire tests backed up by written opinions at internationally recognised fire test laboratories including CSIRO, APL, Intertek and BRANZ; CAP is approved by leading fire engineers in Australia, New Zealand, USA and Canada; CAP helps to save lives and protect property.

CAP Coatings have a substantial case history, with numerous examples of the success of it's coatings in Australia and New Zealand.

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For fire protection of **structural steel**, visit www.zonenz.net.nz or call 0800 508 800

SUPPORTED AND APPROVED BY LEADING FIRE ENGINEERS, ARCHITECTS AND CITY COUNCILS

ENGINEERING AND DESIGN

- Clear and pigmented water based finishes
- Usable over previously painted surfaces up to 90/90/90 FRRs
- 0/3 Early Fire Hazard standard on wood
- AS3837 Group 1 on wood
- Can be top coated for decorative and ongoing maintenance needs
- Lasts as long as the substrate
- Ideal for historic buildings
- Easy to maintain and repair
- Independent 3rd party advice available

DOLLARS

- Potential direct cost savings may exceed 50% compared to installation of fire rated linings
- Significant indirect cost savings related to less inconvenience and greater productivity

PROJECT MANAGEMENT

- Measure savings in days and weeks on virtually any project
- Rooms and fire cells can be upgraded to meet current standards overnight.
No need to vacate premises during application.
- Easier to manage installation and co-ordinate trades
- Dries typically in 2-3 hours
- Easy to use
- Less disruption to tenants, staff and customers.
- Product is readily available
- Colour and finish typical of 100% acrylic and latex coatings

ENVIRONMENT

- Using existing substrate means less landfill disposal
- Less energy consumed with CAP versus removal and replacement of existing substrates
- Low VOCs
- Quieter and cleaner than traditional refurbishment processes

CAP WATER BASED PRODUCTS

FINISH COAT SYSTEMS - PIGMENTED

CAP197 PRIMER

With superior adhesion capability and part of the tested systems, CAP197 is required for use over all substrates.

CAP508 LOW SHEEN

CAP508 is an intumescent mould inhibiting coating capable of providing a fire resistant barrier on a variety of substrates, including; plasterboard, fibrous plaster, lath and plaster, medium density fibre board (MDF) and other wood products, and fibre cement board. Suitable for residential, multifamily, commercial and industrial projects, for both new and rehab/remedial applications.

CAP527 LOW SHEEN TOP COAT

CAP527 is used to achieve selected colour and finish. Top coats are essential to protect CAP508 from moisture in areas such as bathrooms, laundries, kitchens, restaurants, laboratories, and on all qualified and approved exterior installations.

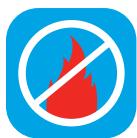
FINISH COAT SYSTEMS - CLEAR

CAP800

CAP800 is a clear, water based intumescent coating, capable of preventing spread of flame and development of smoke on wood. Provides low SDI and SFI indices on interior wood products such as plywood, MDF, chipboard, and wood veneer coated boards. Suitable for residential, multifamily, commercial and industrial projects, for both new and rehab/remedial applications.

CAP827 LOW SHEEN AND MATT FINISH TOP COAT

CAP827M or CAP827S is a clear acrylic, specially formulated protective coating, capable of preventing spread of flame and development of smoke on wood when applied over CAP800. Suitable for residential, multifamily, commercial and industrial projects, for both new and rehab/remedial applications.



FIRE RATED



MOULD
RESISTANT



WATER
CLEAN



SPRAY



TOUCH DRY

TEST RESULTS AND CERTIFICATION

FIRE TESTING STANDARDS ACHIEVED

Assessment Standard	Accredited Test Laboratory	Product	Substrate	Result
AS1530.3, 1999	APL FNE9931	CAP800	9.5mm plywood	SFI 0 SDI 4
AS1530.3, 1999	APL FNE9932	CAP800	9.5mm varnished plywood	SFI 0 SDI 5
AS1530.3, 1999	APL FNE9933	CAP800	9.5mm stained / blonded plywood	SFI 0 SDI 4
AS1530.3, 1999	APL 06191	CAP508	12mm mdf	SFI 0 SDI 3
AS/NZS 3837, 2005	APL 0918/19/20	CAP508	12mm cedar	Group 1, Peak Heat Release Rate under 100 kW/m ² Total Heat Released under 25 MJ/m ² , at 15 minutes

SFI = Spread of flame index SDI = Smoke developed index

FIRE RESISTANCE RATING (FRR)

Assessment Standard	Accredited Test Laboratory	Product	Substrate	Result
AS1530.4, 2005	CSIRO Opinion FCO 2738/3738	CAP508	load bearing ceiling, std 10mm plasterboard	60/60/60
AS1530.4, 2005	CSIRO Opinion FCO 2724/3737	CAP508	load bearing ceiling, fibrous plaster	90/90/90
AS1530.4, 2005	CSIRO Opinion FCO 2727/3740	CAP508	load bearing ceiling, fibre cement	90/90/90
AS1530.4, 2005	CSIRO Opinion FCO 2726/3739	CAP508	floor/ceiling, lath and plaster	90/90/90
AS1530.4, 1997	BRANZ Test Report FR3768	CAP508	non load bearing wall, std 10mm plasterboard	- /45/45
AS1530.4, 2005	CSIRO Opinion FCO 2631/3589	CAP508	non load bearing wall, std 10mm plasterboard	- /60/60

Further information on the above test reports, forthcoming testing and others not listed above can be obtained by contacting Zone NZ.

CERTIFICATION

Certification of completed passive fire protection works required as a condition of a building consent or permit, or when requested by the property owner, is available from Zone NZ subject to conditions determined exclusively by Zone NZ. CAP Coatings are specified and used to meet and maintain stringent building regulations related to fire safety. The application process must achieve the minimum dry film thickness (DFT) required for the coating system to perform to specification on the substrate and assembly to which it has been applied. **The applicator is responsible for achieving the required minimum DFT in accordance with the specification.**

Zone NZ can arrange inspection of the applied finishes upon project completion and certification of the dry film thickness accordingly. Under no circumstances will a CAP installation be certified unless Zone NZ has, *prior* to the purchase and application of the coating system, received all relevant details with respect to the contract including the name of the owner, site address, main contractor, total surface area to be fire rated etc. Relevant certification will generally be issued to the painting contractor within 15 days of inspection of the completed works.

For full details on the CAP Coatings Certification Program, call Zone NZ on 0800 508 800.

SHORT SPECIFICATION: CAP508

FOR 30-60 MINUTES FIRE RESISTANCE RATING (FRR) ON NEW OR PREVIOUSLY PAINTED PAPER FACED PLASTERBOARD, FIBROUS PLASTER, FIBRE CEMENT BOARD OR LATH AND PLASTER.

CAP508: Pigmented - low sheen
For use on: Interior ceilings and walls
Standard: AS/NZS 1530.4, FRR 30, 45, & 60 minutes
Classification: Alternative Solution or Practicable Solution
Installation: Approved applicators only

Substrate:	New or previously painted paper faced plasterboard, fibrous plaster, fibre cement board or lath and plaster
Coating Type:	Water based, pigmented - low sheen
System:	ZP508
Preparation:	PPZ508 to meet minimum requirements of substrate type & condition
1st Application:	CAP197 @ 10 m ² /litre
2nd Application:	CAP508 site applied to project and assembly specific DFT
3rd Application: (Optional)	CAP527 @ 10m ² /litre or equal as approved in writing by manufacturer

NOTE: The above specification is used for both of the following requirements;

1. ALTERNATIVE SOLUTION

The CAP508 passive fire protection system has been tested on assemblies using commonly accepted minimum construction New Zealand standards. In order to achieve the required FRR using CAP508, ensure that the existing floor/ceiling and wall assemblies have been constructed such that they meet the following minima:

- Floor/Ceiling: Standard 10mm paper faced plasterboard, screw fixed to 195mm x 50mm timber joists and blocking at 400mm and 1200mm centres respectively, with timber flooring above.
- Wall: Standard 10mm paper faced plasterboard, fixed with 40mm clouts to 100mm x 50mm timber framing, studs at 600mm centres and nogs at 800mm centres.

2. PRACTICABLE SOLUTION

The approved application of CAP508 in lieu of standard paint, will provide effective and significant passive fire protection (an additional 15 to 60 minutes) in buildings where the existing construction methods vary from the above tested assemblies.

Prior to general project commencement, prepare sample area for client approval.

For application rates, DFT minima, approved applicator listing & for any further information call Zone NZ on 0800 508 800, or email info@zonenz.net.nz.

SHORT SPECIFICATION: CAP508 AND CAP800

FOR EARLY FIRE HAZARD RATINGS ON WOOD LINED INTERIOR CEILINGS AND WALLS

CAP508: Pigmented - low sheen
For use on: Wood lined interior ceilings and walls
Standard: AS/NZS 1530.3, Early Fire Hazard (SFI 0, SDI 3) (SFI 2, SDI 5)
Installation: Approved applicators only

Substrate:	Interior wood linings
Coating Type:	Water based, pigmented - low sheen
System:	ZP508-EFH
Preparation:	PPZ508 to meet minimum requirements of substrate type & condition
1st Application:	CAP197 @ 10m ² /litre
2nd Application:	CAP508 site applied to project and assembly specific DFT
3rd Application: (Optional)	CAP527 @ 10m ² /litre or equal as approved in writing by manufacturer

Prior to general project commencement, prepare sample area for client approval.

For application rates, DFT minima, approved applicator listing & for any further information call Zone NZ on 0800 508 800, or email info@zonenz.net.nz.

Testing conducted on a Group 2 substrate, 12mm MDF

CAP800: Clear - low sheen or matt
For use on: Wood lined interior ceilings and walls
Standard: AS/NZS 1530.3, Early Fire Hazard (SFI 0, SDI 4) (SFI 0, SDI 5) (SFI 2, SDI 5)
Installation: Approved applicators only

Substrate:	Interior wood linings – bare uncoated, previously varnished, previously stained / blonded.
Coating Type:	Water based, clear - low sheen
System:	ZP800-EFH
Preparation:	PPZ800 to meet minimum requirements of substrate type & condition
1st Application:	CAP800 site applied to project and assembly specific DFT
2nd Application:	CAP827M or CAP827S @ 10m ² /litre

Prior to general project commencement, prepare sample area for client approval.

For application rates, DFT minima, approved applicator listing & for any further information call Zone NZ on 0800 508 800, or email info@zonenz.net.nz.

Testing conducted on a Group 1 substrate, 9.5mm Plywood

SPECIFICATION: CAP508 AND CAP800

GENERAL INFORMATION

PRODUCT DESCRIPTION

CAP508

A water based, thin film, one-component acrylic, fire resistant coating containing 67% solids by weight, designed to protect various substrates from fire by developing a thick char barrier when exposed to high temperatures or flame.

CAP800 SYSTEM

A water based, thin film, one-component acrylic, fire resistant clear coating containing 54% solids by weight, designed to protect wood substrates from fire by developing a thick char barrier when exposed to high temperatures or flame, with low smoke and fire spread characteristics. System comprises CAP800 basecoat and CAP827M or CAP827S top seal.

THINNER/ADDITIVES

Not permitted

COLOUR

CAP508: off-white – low sheen

CAP800: dries clear – low sheen

CAP827: dries clear – matt and satin

USES

CAP products are intumescent coating systems capable of providing a fire resistant barrier on a variety of substrates, including plasterboard, wood, lath and plaster, fibrous plaster and fibre cement sheeting. CAP coatings are suitable for residential, commercial and industrial projects. CAP508 has been designed for use generally on ceilings and walls and is applied by spray. CAP800 has been designed for use as an airless applied clear coating on interior wood surfaces.

LIMITATIONS

CAP Coatings systems are approved as a fire engineered solution, where the product is deemed fit for purpose, for internal use on fibrous plaster, lath and plaster, fibre cement, pressed metal, wood and plasterboard substrates. In areas of high humidity CAP508 should be over-coated with appropriate approved topcoats.

All penetrations (e.g. light fittings, cable ducts etc) in the substrate must be fire rated by using a compound or device approved and incorporated in a report prepared by a registered fire engineer. CAP Coatings should not be used if the substrate or ceiling/wall construction is not structurally sound or where the substrate has not been properly prepared.

TESTED SUBSTRATES

CAP Coatings are used typically as an alternative solution as prescribed by most building codes. CAP Coatings have been tested and/or assessed by CSIRO, Intertek, APL and BRANZ and as a result have been approved for interior use on the following substrates:

- Fibrous plaster
- Lath and plaster
- Fibre cement
- Plasterboard
- Polyurethane foam
- Wood

7 CAP508 AND CAP800 SPECIFICATION

This document is current at March 2011

COATING APPLICATION SUMMARY BY SUBSTRATE

Substrate	Minimum Substrate Thickness	Test Result	RISF (min)	Film Thickness DFT / WFT	Theoretical Coverage Required (m ² /L)
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AS1530.4 Fire resistance rating and resistance to incipient spread of fire (RISF) - CAP508 - Ceilings

Plasterboard (Standard)	10mm	60/60/60	60	750µm 1120µm	0.89
Fibrous Plaster	17mm	90/90/90	60	700µm 1050µm	0.95
Lath and Plaster	12mm	90/90/90	60	700µm 1050µm	0.95
Fibre Cement Sheet	6mm	90/90/90	60	1000µm 1500µm	0.66

AS1530.4 Fire resistance rating CAP508 - Walls

Plasterboard (Standard)	10mm	-/45/45	n/a	340µm 510µm	1.96
Plasterboard (Standard)	10mm	-/60/60	n/a	680µm 1020µm	0.96
Fibre Cement Sheet	6mm	90/90/90	n/a	1000µm 1500µm	0.66

AS1530.3 Early Fire Hazard - CAP508

Wood - MDF	12mm	SFI 0 SDI 3	n/a	275µm 400µm	2.50
Wood - MDF	12mm	SFI 2 SDI 5	n/a	180µm 270µm	3.80

AS3837 Cone Calorimeter - CAP508

Wood - Cedar	12mm	Group 1	n/a	200µm 300µm	3.34
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AS1530.3 Early Fire Hazard - CAP800 (Clear Coating)

Wood - Plywood	9.5mm (Group 1)	SFI 0 SDI 4	n/a	90µm 170µm	6.00
Wood - Plywood (previously varnished)	9.5mm (Group 1)	SFI 0 SDI 5	n/a	180µm 340µm	3.00
Wood - Plywood (stained / blonded)	9.5mm (Group 1)	SFI 0 SDI 4	n/a	90µm 170µm	6.00

COATING SYSTEM CAP508 - EXISTING CEILING OR WALL ASSEMBLY

It is essential that the ceiling or wall construction conforms to the specification on page 5, before the application of the CAP508 coating system.

	Product	Data Sheet	Dry Film Thickness (microns)	Theoretical Coverage** (m ² /L/coat)
1st APPLICATION Primer - Sealer	CAP197	CAP197	Nominal 35µm	10-12
2nd APPLICATION Intumescent Basecoat	CAP508	CAP508	As per FRR required**	3
3rd APPLICATION Topcoat if required	CAP527	CAP527	Nominal 35µm	10-12

** Contact Zone NZ if the required Dry Film Thickness is not nominated on a fire engineer's report. In high humidity and damp environments, CAP508 must be over-coated with CAP527.

COATING SYSTEM CAP800 - WOOD SUBSTRATE (INTERIOR)

	Product	Data Sheet	Dry Film Thickness (microns)	Theoretical Coverage** (m ² /L/coat)
1st APPLICATION Intumescent Basecoat	CAP800	CAP800	Nominal 90µm subject to fire standard specified	6-10
2nd APPLICATION Intumescent Basecoat (if required)	CAP800	CAP800	As per fire standard specified**	6-10
3rd APPLICATION Topcoat	CAP827M or CAP827S	CAP827M or CAP827S	Nominal 35µm	10-12

** Contact Zone NZ if the required Dry Film Thickness is not nominated on a fire engineer's report.

SURFACE PREPARATION PREPARATION

Ensuring good trade practice forms a part of every aspect of the painting process. Good preparation is essential for good results. All surfaces must be clean and dry before application of CAP Coatings. If required, thoroughly wash and rinse the surfaces with warm soapy water and sponge to remove all mould, dirt, dust, grease, wax, oil, and other contaminants. Change the wash and rinse solutions frequently. Clean with soft cloth. Allow to dry. All loose and flaking paint to be scraped back to a sound substrate, fill holes, cracks and surface imperfections with an appropriate filler and sand smooth. Check adhesion of system prior to full commencement. Refer to 'PPZ' preparation specification available from Zone NZ Ltd.

MOSS AND MOULD TREATMENT

Treat areas of moss and/or mould in accordance with manufacturer's instructions. Thoroughly rinse and wipe to remove residue. Allow to dry. Prior to application of CAP508 bare surfaces must be primed with CAP197. Some wood substrates may require proprietary stain blocking primers; check with Zone NZ prior to application.

APPLICATION EQUIPMENT

CAP508, CAP800 and CAP827M or CAP827S are to be applied by airless sprayer.

SPRAY EQUIPMENT

- Pump: For best results use a piston pump airless spray with a minimum 4 litre/min rating at 3000psi
- Tip: 11 - 19 thou, or similar
- Filter: Normally not required
- Pressure: 3000 PSI or higher
- Hose: Use minimum size of 10mm (3/8") airless spray line for the first 15 metres from pump
- Use of a dedicated spray line is required

APPLICATION TEMPERATURES AND CONDITIONS

Room and substrate temperature at application must be at least 18°C and rising. 20°C to 25°C is the recommended temperature range for application. Do not apply if temperature will fall below 15°C within two hours of application. Ensure adequate "through ventilation" in all areas where application will occur. Airflow is important to ensure the product cures correctly. Maximum relative humidity for application is 75%. The use of forced air heaters (diesel) and fans may be required, to ensure environment is suitable for the application. Ensure substrate moisture levels are less than 15%. It is the sole responsibility of the applicator to ensure that CAP508, CAP800 and CAP827M or CAP827S have been applied in accordance with the specification. Application should not proceed if the surface or air temperature exceeds 35°C. Ensure that air temperature, humidity, and substrate moisture levels, are checked at regular intervals throughout the application, and recorded.

APPLICATION

CAP COATINGS MUST BE APPLIED BY APPROVED APPLICATORS

who must follow the manufacturer's specification. Prior to use, stir the contents of the pail thoroughly for at least 10 minutes for CAP508 using a power mixer and 5 minutes for CAP800 using a power mixer to ensure the paint is mixed from bottom to top of the pail. Contents must be uniform at all times during the application process. Never thin CAP Coatings.

Apply in one or more coats by airless spray to achieve the total wet film thickness (WFT) required to achieve the total dry film thickness (DFT) specified.

Refer to the fire engineer, project manager, main contractor, or architect for the required Fire Resistance Rating (FRR) for the assembly being painted.

IMPORTANT: Prior to general project commencement, prepare sample area for client approval and contact Zone NZ to ensure a project specific specification is on site.

During application, the WFT must be checked using a WFT gauge. To use the gauge, insert the teeth into the wet paint, the last tooth to be coated indicates the thickness. Correct use of a WFT gauge is very important to ensure the required dry film thickness (DFT) is achieved. When dry the CAP508 DFT will be approximately 67% of WFT, and the CAP800 DFT will be approximately 54% of WFT.

CLEAN UP

Thoroughly rinse application tools and airless spray equipment with water as soon work ceases to ensure effective cleaning.

APPLICATOR QUICK CHECK LIST - Prior to starting application:

<input type="checkbox"/> Temperature	Is temperature within limits (18°C - 25°C)?
<input type="checkbox"/> Humidity	Is the relative humidity less than 75%?
<input type="checkbox"/> Consistency	Are the contents thoroughly mixed?
<input type="checkbox"/> Surface	Are all substrates clean, dry (wood less than 15% moisture) and sound? – Refer to 'PPZ' preparation specification available from Zone NZ Ltd.
<input type="checkbox"/> Measurement	Wet film gauge on site?
<input type="checkbox"/> Safety	Are Health and Safety checks complete?
<input type="checkbox"/> Need Help	Call your local distributor or contact Zone NZ on info@zonenz.net.nz

RECOAT AND DRY TIMES

Recoat time is 3-4 hours, for pigmented coatings, and 2-3 hours for clear coatings, depending on ambient temperature, humidity and airflow. Allow enough time between successive coats to permit proper drying. Do not recoat surfaces until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and where applying another coat of paint does not cause the previous coat to lose adhesion or cause the finish to crack. Recoat times are quoted for 24°C and 50% relative humidity and will vary under different atmospheric conditions. Please refer to product data sheets.

GENERAL

The substrates described in this specification should be in accordance with the manufacturer's specification. All dry film thickness and spreading rates in this specification are theoretical. Notwithstanding good application practice, some minor DFT variance can be expected, with a greater thickness occurring in internal angles and on substrates with a textured profile. CAP Coatings must be applied within 6 months of purchase.

CAPMark QUAL TAG INSTALLATION

To identify the presence of a CAP fire rated system, a **CAPMark QUAL Tag must be installed by the approved applicator**. For fire rated ceilings and or walls, the CAPMark QUAL tag must be installed adjacent to the hinges directly above the door jam of the main door into the room or area where CAP508 or CAP800 has been applied. For large areas, ensure adequate tags are affixed to ensure identification of the system can be achieved.

CERTIFICATION OF COMPLETED WORKS

In order to qualify for certification, the completed work must be inspected and a certificate obtained stating that the CAP Coatings system has been correctly applied, that the required dry film thickness has been achieved as per the manufacturer's specification, project reference and date and time of installation. The building owner must maintain a log book to be kept on site or use the CAPMark QUAL system that details:

- Building owner
- Location and identification number of fire rated system
- Details of the product(s) used to achieve the fire system
- Details of the specified Dry Film Thickness of CAP Coating
- Contact details for the approved applicator
- Contact details for CAP Coatings distributor
- Date of application upon completion
- Copy of original inspection certificate

- Copy of in situ original dry film thickness measurements
- Date and result of last inspection which must be recorded on the CAPMark QUAL tag and CAPMark Database with a visible sticker placed over the CAPMark QUAL tag
- Detailed description of penetrations existing at the time of completion

MAINTENANCE

Zone NZ recommends annual inspections of the applied product to identify any damage to the substrate and coating system that may occur. Provided that the product has been correctly applied and maintained the system will perform under normal conditions for the life of the substrate.

REPAIR OF INSTALLED CAP508 AND CAP800 SYSTEM

The repair of minor damage (e.g. scratches) to the coating is not necessary due to the expanding nature of the product in a fire situation. Where the coating has a hole greater than approx 3 centimetres in diameter, repair the substrate first and then sand, feather all edges and recoat with the original system to the DFT originally specified. Where repair works are required the **OWNER MUST USE AN APPROVED APPLICATOR** to carry out the works. Contact Zone NZ Ltd for a list of approved applicators.

BUILDING OWNER RESPONSIBILITY

CAP508 and CAP800 are low sheen intumescent acrylic paint systems and will perform over time similarly to other premium acrylic paints. Annual inspections of the applied product to identify any substrate or coating system damage or loss of integrity are recommended. The maintenance guidelines contained in this specification must be followed at all times.

HEALTH & SAFETY

All work carried out under this specification shall be in trademan like manner, with due regard to prevention of contamination of the site and associated work. Appropriate steps are to be taken to protect health and safety of any person who has reason to be on the site. Ensure supply and appropriate use of protective clothing and equipment and ensure compliance with all Occupational Health and Safety regulations.

LEAD

Existing coatings may contain lead. Test surfaces accordingly. All necessary precautions must be taken with existing painted surfaces that contain lead.

ASBESTOS

Contractors need to comply with local regulations and guidelines before commencing any work on surfaces and substrates that may contain asbestos.

CONTACT INFORMATION

NEW ZEALAND

Zone New Zealand Ltd
PO Box 99836,
Newmarket 1149,
New Zealand
Phone: 0 800 508 800
Email: info@zonenz.net.nz
Web: www.zonenz.net.nz

NORTH AMERICA

Zone America LLC
PO Box 1692,
Upland, CA, 91786
Phone: 1 909 215 8506
Email: info@capcoatings.com
Web: www.capcoatings.com

AUSTRALIA

CAP Coatings Pty Ltd
PO Box 154,
Hunters Hill 2110
NSW, Australia
Phone: 1 800 508 800
Email: info@capcoatings.com.au
Web: www.capcoatings.com.au

PRODUCT DATA SHEET

CAP197 MULTI-PURPOSE WATER BASED PRIMER

PRODUCT	CAP197 multi-purpose water based etch primer
DESCRIPTION/USES	CAP197 is a fast drying, water based, multi-purpose primer specifically designed for use in conjunction with CAP Fire Resistant Finishes. It has been formulated with an acrylic resin to provide excellent adhesion over a variety of interior surfaces like plasterboard high gloss coatings, plastic, glass, ceramic tiles, glazed block and other high density materials.
SURFACE PREPARATION	Standard painting practices and procedures which are followed normally in the painting profession should be used to clean and prepare surfaces before painting. NOTE: For use on wood, check a small section before proceeding. Application may show grain raising.

APPLICATION INFORMATION

METHOD	Spray preferred. Brush or roll small areas only.
DRYING TIME	30 minutes to touch; 30-45 minutes to recoat at 21°C and 50% RH. Topcoat within 48 hours.
THINNING	Not required. Reduce with water, if necessary. Over-thinning may result in loss of hide and retard drying.
TINTING	Not recommended
CLEAN UP	Warm soapy water while coating is wet. After drying, use lacquer thinner. CAUTION: Do not allow to dry in equipment.
HMIS	Health: 1, Flammability: 0, Reactivity: 0, Personal Protection: H.
ENVIRONMENTAL	Consult with local regulatory and governmental agencies for VOC compliance and methods of disposal.

SPECIFICATIONS

COLOUR	White
SOLIDS BY VOLUME	49%
WEIGHT PER LITRE	1.32 kg
GLOSS	Flat (@ 60° angle)
COVERAGE	Depends on surface porosity, texture and method of application.
SHELF LIFE	One year
MAXIMUM VOCs	200 grams/litre
CAUTION	Protect from freezing. Do not apply when temperature of paint or surface is below 18°C or above 25°C or relative humidity is above 75%.

PRODUCT DATA SHEET

CAP 508 LOW SHEEN FIRE RESISTANT PAINT

PRODUCT	CAP508 low sheen fire resistant acrylic paint
DESCRIPTION/USES	CAP508 is a low VOC, water based fire resistant paint for use on paper faced plasterboard, cementitious fibreboard, medium density fibreboard, particleboard, wood, plaster and concrete.
SURFACE PREPARATION	All surfaces should be clean, dry, and free of dust, grease or other contaminants.

APPLICATION INFORMATION

MATERIAL PREPARATION	Mix thoroughly before and during application.
METHOD	Airless spray
DRYING TIME	Dry to Touch: 1/2 hour at 24°C and 50% relative humidity (RH) Re-Coat: 2 to 4 hours at 24°C and 50% relative humidity (RH) Full Cure: 20 days
THINNING	Do NOT thin
TINTING	Can be tinted to light tone and pastel shades.
CLEAN UP	Water
HMIS	Health: 1, Flammability: 0, Reactivity: 0, Personal Protection: E.
ENVIRONMENTAL	Consult with local regulatory and governmental agencies for methods of disposal.

SPECIFICATIONS

COLOUR	White
SOLIDS BY VOLUME	67%
WEIGHT PER LITRE	1.45 kg
GLOSS	Low sheen
COVERAGE	Varies according to substrate and level of passive fire protection specified.
SHELF LIFE	One year
MAXIMUM VOCs	60 grams/litre
CAUTION	Protect from freezing. Do not apply when temperature of paint or surface is below 18°C or above 25°C or relative humidity is above 75%.

PRODUCT DATA SHEET

CAP527 LOW SHEEN TOP COAT

PRODUCT	CAP527 low sheen acrylic top coat
DESCRIPTION/USES	CAP527 is a low VOC, water based coating for use over CAP508 in wet, humid and damp areas, or to achieve Group 1 to AS3837 on wood substrates.
SURFACE PREPARATION	All surfaces should be clean, dry, and free of dust, grease or other contaminants.

APPLICATION INFORMATION

MATERIAL PREPARATION	Mix thoroughly before application
METHOD	Airless spray, brush or roller.
DRYING TIME	Dry to Touch: 1/2 hour at 24°C and 50% relative humidity (RH) Re-Coat: 2 to 4 hours at 24°C and 50% relative humidity (RH) Full Cure: 20 days
THINNING	Do NOT thin
CLEAN UP	Water
HMIS	Health: 1, Flammability: 0, Reactivity: 0, Personal Protection: E.
ENVIRONMENTAL	Consult with local regulatory and governmental agencies for methods of disposal.

SPECIFICATIONS

COLOUR	White, can be tinted.
SOLIDS BY VOLUME	43%
WEIGHT PER LITRE	1.12 kg
GLOSS	Low sheen
COVERAGE	10m ² /litre on smooth sealed surfaces per coat
SHELF LIFE	One year
MAXIMUM VOCs	60 grams/litre
CAUTION	Protect from freezing. Do not apply when temperature of paint or surface is below 18°C or above 25°C or relative humidity is above 75%.

PRODUCT DATA SHEET

CAP800 CLEAR FIRE RESISTANT COATING

PRODUCT	CAP800 low sheen acrylic clear fire resistant coating
DESCRIPTION/USES	CAP800 is a low VOC, water based clear coating for use on wood that must be top coated with CAP827.
SURFACE PREPARATION	All surfaces should be clean, dry (below 15% moisture), and free of dust, grease or other contaminants.

APPLICATION INFORMATION

MATERIAL PREPARATION	Mix thoroughly before application
METHOD	Airless spray
DRYING TIME	Dry to Touch: 1/2 hour at 24°C and 50% relative humidity (RH) Re-Coat: 2 to 4 hours at 24°C and 50% relative humidity (RH) Full Cure: 20 days
THINNING	Do NOT thin
CLEAN UP	Water
HMIS	Health: 1, Flammability: 0, Reactivity: 0, Personal Protection: E.
ENVIRONMENTAL	Consult with local regulatory and governmental agencies for methods of disposal.

SPECIFICATIONS

COLOUR	Clear
SOLIDS BY VOLUME	54%
WEIGHT PER LITRE	1.25 kg
GLOSS	Low sheen
COVERAGE	Varies according to substrate and level of passive fire protection specified.
SHELF LIFE	One year
MAXIMUM VOCs	60 grams/litre
CAUTION	Protect from freezing. Do not apply when temperature of paint or surface is below 18°C or above 25°C or relative humidity is above 75%.

PRODUCT DATA SHEET

CAP827 CLEAR TOP COAT

PRODUCT	CAP827M or CAP827S low sheen acrylic clear coating
DESCRIPTION/USES	CAP827M or CAP827S is a low VOC, water based clear coating for use exclusively as a protective top coat for CAP800 on wood.
SURFACE PREPARATION	All surfaces should be clean, dry (below 15% moisture), and free of dust, grease or other contaminants.

APPLICATION INFORMATION

MATERIAL PREPARATION	Mix thoroughly before application.
METHOD	Airless spray
DRYING TIME	Dry to Touch: 1/2 hour at 24°C and 50% relative humidity (RH) Re-coat: 2 to 4 hours at 24°C and 50% relative humidity (RH) Full Cure: 20 days
THINNING	Do NOT thin
CLEAN UP	Water
HMIS	Health: 1, Flammability: 0, Reactivity: 0, Personal Protection: E.
ENVIRONMENTAL	Consult with local regulatory and governmental agencies for methods of disposal.

SPECIFICATIONS

COLOUR	Clear
SOLIDS BY VOLUME	33%
WEIGHT PER LITRE	1.12 kg
GLOSS	Low sheen
COVERAGE	10m ² /litre on smooth sealed surfaces per coat
SHELF LIFE	One year
MAXIMUM VOCs	20 grams/litre
CAUTION	Protect from freezing. Do not apply when temperature of paint or surface is below 18°C or above 25°C or relative humidity is above 75%.

IMPORTANT

CAP Coatings Pty Ltd accepts no liability if the systems are not used in accordance with instructions contained in this document. Substitution of specified or recommended components with alternative brands can significantly compromise the performance of the system.

CAP Coatings Pty Ltd accepts no liability for reliance upon publications that have been superseded. Check this document is current before using this publication by contacting your local CAP Coatings distributor below.

This document is current at March 2011

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NEW ZEALAND

Zone New Zealand Ltd
PO Box 99836,
Newmarket 1149
New Zealand
Phone: 0 800 508 800
Email: info@zonenz.net.nz
Web: www.zonenz.net.nz

AUSTRALIA

CAP Coatings Pty Ltd
PO Box 154,
Hunters Hill 2110
NSW, Australia
Phone: 1 800 508 800
Email: info@capcoatings.com.au
Web: www.capcoatings.com.au

NORTH AMERICA

Zone America LLC
PO Box 1692,
Upland, CA, 91786
Phone: 1 909 215 8506
Email: info@capcoatings.com
Web: www.capcoatings.com



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