

Zina Core™

Pre-painted steel with
hot-dipped aluminium
and zinc alloy for
excellent durability.

Selection.com.au

Raise your profile, not your costs

ColorCote® is highly durable and designed for excellent colour retention and formability. It's the 'formability' or innate ability to easily re-formed that will offer you profile options to suit your overall design aesthetic, and all at an incredibly affordable price. Under normal conditions its baked on colour will give many years of vibrant life without any signs of fading, cracking or peeling.



Warranties
backed by
Fletcher Building
Limited



Performing in
the Australian
market for over
35 years

Colorcote® is highly durable and desirable. Designed for long-lasting colour retention and formability, it can be pliably rollformed to the profile of your choice, at a very cost-effective price.

Technical

ColorCote ZinaCore
Conforms to AS/NZS2728:2013
Suitable for ISO9223:2012
Atmospheric Classifications C1 – C3

Substrate

Hot-dipped aluminium/zinc alloy coated steel coil, 150gms/m² coating weight. Manufactured to AS1397:2011

Pre-treatment

Corrosion resistant chromate conversion coating.

Primer

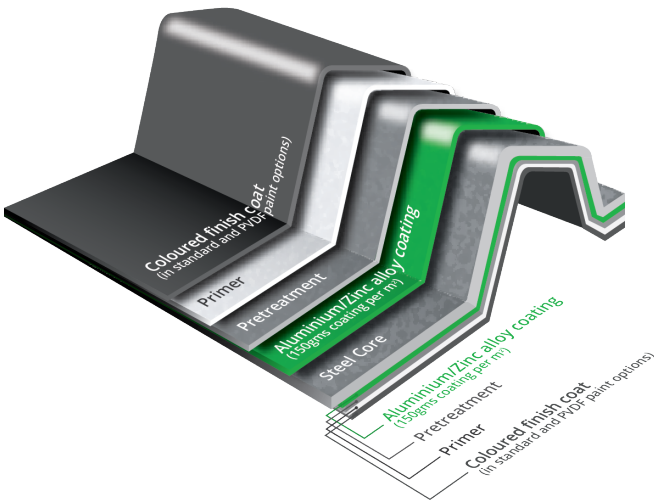
Flexible corrosion resistant chromated primer. Nominal film thickness 7µ ± 1µ on the top side and 5µ ± 1µ on the reverse.

Finish Coat

Flexible exterior acrylic, polyester or modified polyester coating. Nominal film thickness 18µ ± 2µ.

Backing Coat

Shadow Grey (standard colour) wash coat, 5µ ± 1µ nominal thickness.



Gloss

Typical gloss levels are 25 ± 5% measured in accordance with AS/NZS 1580.602.2 (60 degrees). A range of our colours can also be supplied in a low gloss version if required.

Strippable Film

Products can be supplied with an optional strippable protective film at extra cost. This material has a relatively short life span when exposed to sunlight and weather. It should be removed either just before, or immediately after installation. If stored indoors strippable film should be removed within 12 months of delivery from ColorCote.

Need an extra durable finish?

ZinaCore X uses exactly the same steel substrate as ZinaCore but comes with a more protective paint system for use in chemical or industrial environments.

Technical

ColorCote ZinaCore X
Conforms to AS/NZS2728:2013
Suitable for ISO9223:2012
Atmospheric Classifications C1 – C4

Primer

Flexible corrosion resistant chromated primer on both sides. Nominal film thickness 7µ ± 1µ on the top side and 5µ ± 1µ on the reverse.

Finish Coat

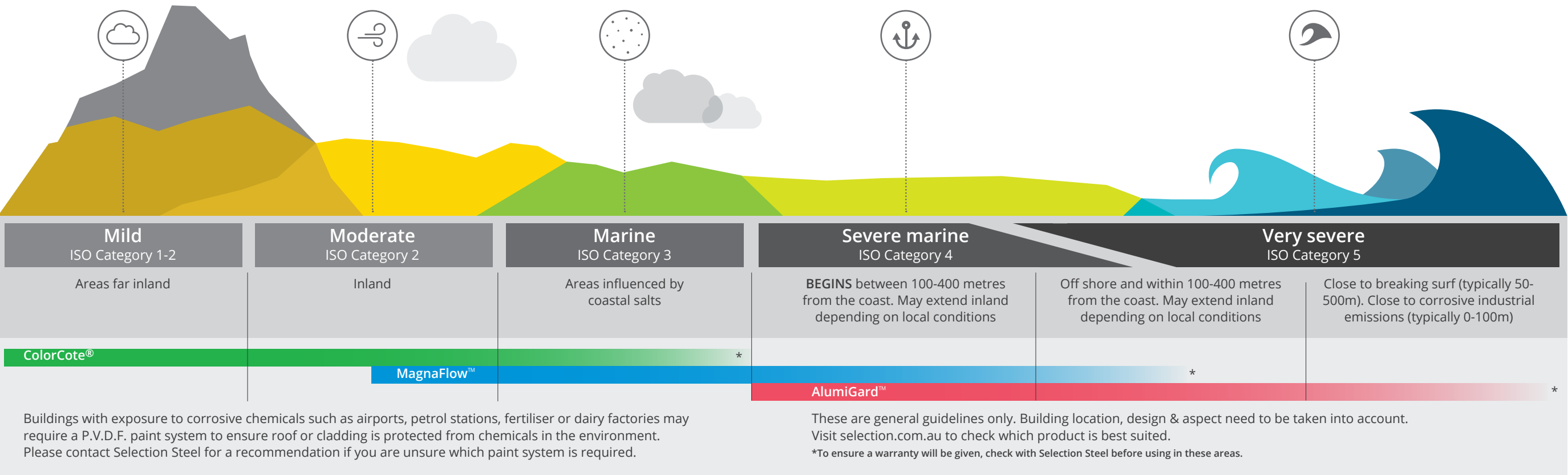
70% PVDF system (Polyvinylidene Fluoride). Nominal film thickness 20µ ± 2µ. The exterior coat of ColorCote MagnaFlow X is a PVDF paint system containing at least 70% PVDF resin in the dry paint film.

Backing Coat

Shadow Grey (standard colour) wash coat, 5µ ± 1µ nominal thickness.

Atmospheric environments

Usage guide



ColorCote® performance testing



Scratch resistance

Good scratch resistance. Testing includes needle scratch test – no marking of paint surface when a needle with a 2kg weight attached is drawn across. ASTM D5178-13.



Impact resistance

AS/NZS2728:2013 Table 2.2 and Appendix E. No loss of paint adhesion after a test piece is struck on the reverse side with a specified force, in line with the test methodology described in Appendix E.



Bend test

AS/NZS2728:2013 section 2.6.1 and Appendix F – No loss of adhesion or paint cracking when bent around a diameter equal to five times the thickness of the sheet.



Heat resistance

Suitable for continuous service up to 100°C. Continuous service at higher temperatures may cause some colour change and damage to the paint film.

Tested under New Zealand's most demanding environmental conditions and ready for the harsh Australian landscape.

Results from lab tests are backed up with ongoing testing throughout New Zealand providing real world testing in demanding industrial & marine environments.



Salt spray

Meets the requirements of AS/NZS2728:2013 Sections 2.8 and 2.10



Humidity resistance

Meets the requirements of AS/NZS2728:2013 Sections 2.8 and 2.9



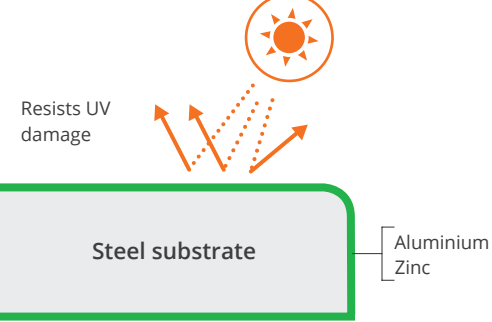
QUV resistance (durability of coating system)

Meets the requirements of AS/NZS2728:2013 Section 2.8 and Table 2.4

Note: Tests are conducted on a flat panel.

Built to last

ColorCote® is a hot-dipped aluminium/zinc alloy-coated steel substrate. The outer layer is an acrylic or polyester top coat, using the latest infrared reflective pigments, baked on to a polyester primer. The result is an extremely durable paint system built to resist UV damage from Australia's harsh sun, providing excellent colour and gloss retention.



If your site matches the climatic conditions (pictured above) and you want roofing and cladding that will retain its good looks and protect for many years at a very affordable price, this could be the right product for your project.

Warranty terms

Selection Steel offers warranties of differing lengths on UniCote® for residential, commercial and industrial buildings in ISO 1-3 environments, depending on whether the product will be used for roofing or cladding.

Application		Environment (ISO CAT) 1-3
Roofing	Paint	20 yrs
	Perforation	30 yrs
Wall cladding	Paint	15 yrs
	Perforation	15 yrs
Fascia, Gutter Downpipes	Paint	20 yrs
	Perforation	20 yrs

* Refer to specific warranty information for full terms and conditions, including exclusions and minimum maintenance requirements. Buildings close to industrial areas which are exposed to corrosive chemicals may require (for added protection via PVDF paint). Visit selection.com.au and complete the warranty enquiry form.

Performance

Outdoor durability

ColorCote, under normal well washed conditions of exposure, can be expected to show no cracking (other than that which may occur during forming), flaking or peeling of the paint film for 15 years from the date of installation.

Colour change during service will depend on the colour chosen, aspect, design of the structure and the environment.

Some chalking may occur. A maximum rating of 2 is expected after 20 years exposure, when measured in accordance with AS/NZS1580.481.1.11:1998.

Scale is between 0 and 5 with a lower number indicating less chalking.

The above are subject to minimum maintenance requirements.

Recommended end uses

ColorCote has very good colour and gloss retention and is suitable for roofing, cladding, and rainwater goods. ColorCote is ideal for interior uses, and exterior environments where corrosion levels are moderate. It is also suitable for fencing applications.

ColorCote has outstanding colour and gloss retention and is suitable for roofing, cladding, and rainwater goods. ColorCote is ideal for industrial sites where there is a high risk of deterioration from corrosive elements in the environment.

For information concerning product use in areas not covered by ColorCote, refer to the ColorCote, MagnaFlow or AlumiGard technical information brochure or contact ColorCote for details.

Roof pitch

For low-pitched roofs do not use a pitch less than the following:

- Standard corrugated profile – 5°
- Standard five rib profile – 2°
- Standard concealed fix profile – 1°

Following these guidelines will avoid ponding and premature degradation of the coating system. If anything in this section pre-empts a potential issue, talk to your architect, builder or roofer, or contact us.



Important

ColorCote is not suitable for use in the following situations:

- **Animal shelters where excessive ammonia fumes can accumulate due to inadequate venting, or where direct contact with animal effluent can occur.**
- **For water tanks or areas where a constantly wet environment is maintained.**
- **In direct contact with concrete or where lime deposits are evident.**
- **In contact with soil (allow a 75mm run off below cladding sheets to ground level).**

Handling and rollforming

To avoid damaging the paint surface the material must be handled carefully during transport and rollforming.

ColorCote does not recommend the use of rollforming lubricants on ColorCote products.

The use of rollforming lubricants will affect performance of pre-painted metal and will lead to staining and uneven, premature fading.

Touch-up paint

ColorCote is a baked on paint system which has different weathering characteristics to standard air drying paints. Do not use touch-up paint on ColorCote products. Minor scratches should be left alone.



Storage of coil

On no account should coils be allowed to get wet. Rain or condensation is drawn between the surfaces by capillary action, and then cannot evaporate normally. This can cause deterioration of the coating leading to a reduced life expectancy and poor appearance. The same applies for finished roofing and cladding sheets.

Rollforming performance may be affected if coils are stored for more than 12 months.

Clean up

Installation procedures involving self-drilling screws, drills and hacksaws etc will leave deposits of swarf and metal particles. These particles including blind rivet shanks, nails and screws should be swept and washed from the roof regularly. **Refer to the SA HB 39:2015 Installation code for metal roof and wall cladding.**

Site practice

If nestable profiles become wet while closely stacked, formation of wet storage stain or ‘white rust’ is inevitable.

To minimise the possibility of inadvertent damage:

- **Inspect deliveries on arrival.** If moisture is present, individual sheets should be dried immediately with a clean rag and then stacked to allow air to circulate and complete the drying process.
- **Well ventilated storage is essential.** Always store metal products stacked and filleted under cover in clean, well-ventilated buildings.
- **Cross stack or fillet sheets.** Where outside storage is unavoidable and make provision for a fall to allow water to run off. Cover the sheets.

It is the responsibility of the roofing contractor to avoid damaging the roof sheeting during its installation and fixing. Never drag sheets from a pile. Remove by ‘turning off’ the stack. Lift sheets onto the roof, and do not drag over the eaves or the purlins. Use clean footwear. Remove swarf and other contaminants regularly. Avoid transferring sunscreen from hands or knees on to painted MagnaFlow as this can degrade the paint quality. **Refer to the SA HB 39:2015 Installation code for metal roof and wall cladding.**



Installation

Refer to the SA HB 39:2015 Installation code for metal roof and wall cladding for correct installation guidelines, particularly in regard to underlays/building papers, penetrations, flashings, fasteners, pitch, etc.



Dissimilar metals

When dissimilar metals come into contact with each other, the electric potential difference between the metals establishes a corrosion cell, and accelerated corrosion can occur.

To avoid this problem, the following precautions should be observed:

- **Avoid discharges of water from brass or copper pipes on to ColorCote.**
- **Do not use non-galvanised steel, copper, brass, lead, stainless steel or monel metal in direct contact with ColorCote.**
- **Do not use lead flashings in contact with ColorCote products. Soft edge aluminium or notching of flashings are the best solutions.**
- **Tanalised timber contains copper, so must not be used in direct contact with ColorCote products. Use PVC tape or similar barrier to isolate potential problem points of contact between materials.**

Fastenings

Class 4 coated screws are recommended for ColorCote and will give the best service life.

ColorCote – galvanised nails with pre-painted washers can be used.

Do not use stainless steel or monel fasteners on Colorcote products.

In all cases ensure the fasteners are installed correctly with the ColorCote product.

Refer to the SA HB 39:2015 Installation code for metal roof and wall cladding.

Sealing and jointing

Where sealed joints are required, use only neutral cure silicon rubber sealant together with mechanical fasteners such as aluminium rivets. **Do not weld or solder ColorCote products.**

Unwashed areas

These are typically those areas that are not washed by natural rainfall, such as the underside of eaves, sheltered roofs or wall cladding, under solar panels, etc. These areas are excluded from warranty. ColorCote recommends the exclusion of unwashed areas by design wherever possible.

In cases where this is not possible then a regular washing programme should be put in place. Contaminants should be removed by mechanical washing with water and a soft bristle brush at least every six months or more frequently if contaminant build-up keeps occurring. For full information see Colorcote minimum maintenance schedule.



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