





**POWDER & INDUSTRIAL COATINGS** 





### with our compliments

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# Duralloy®, exquisite colours for Aluminium Joinery

This Colour Guide incorporates the very latest in powder coating technology coupled with the latest colours this technology makes possible. The colour range is chosen from old favourites and the very latest international colour trends and are arranged in a manner designed to make harmonious colour selection much easier.

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# more inspired colour choice

The Duralloy® colours shown in this guide have been specifically chosen by Dulux for their exterior durability and fade resistance. Depending on the chosen colour, the finishes available are either matt or satin, in either solid or pearlescent as replicated in the colour choice sections that follow.

It is recommended when choosing powder coating, to decide on a colour that will compliment both the exterior and the interior of your home.

### specifying exactly the right colour

On occasions, some colours, whether powder, paints or furnishings may share the same colour name but be entirely different. This is especially true of other powder suppliers who use Dulux® colour names for their products, but the colours rarely match. When choosing colours, remember to specify both the Dulux® colour code and colour name.

Every effort has been made to present these colours as accurately as possible and as close as modern printing processes allow. Colour appearance may vary according to light source. Where colour accuracy is vital, a powder coated panel should be requested to more accurately demonstrate the effect you should get.

### roofing colour co-ordinates

In New Zealand a number of precoated steel options are offered for roofing.

The Duralloy® range incorporates a range of colours designed to harmonise with these colours, but it should be noted that the powder coating colour will never be a perfect match to the roofing colour.

A number of brands of precoated steel in New Zealand offer colours with the same names, including New Denim Blue, Permanent Green, Terracotta, Karaka, Ironsand to name a few, but as these colours are supplied by different paint companies and are wet paint as opposed to powder coating, the colours will always only be similar at best and may vary from brand to brand.

Please check with your roofing company to determine that the colour chosen is available in the roofing material desired and check their colour against the Duralloy® co-ordinate.



### premium pearls

9157214K PLATYPUS KINETIC®

Light reflectance percentage

RGB Values 141 137 131

9157183K COPPER METALLIC KINETIC®

Light reflectance percentage

RGB Values 157 146 136

9153059K MATT CHAMPAGNE KINETIC®

Light reflectance percentage

RGB Values 156 146 136

9158115K GUNMETAL METALLIC KINETIC®

Light reflectance percentage

RGB Values

9157208K ST ELMO'S FIRE KINETIC®

Light reflectance percentage

RGB Values 145 147 148

9157210K OCEANS 12 KINETIC®

Light reflectance percentage

28

RGB Values 126 136 127



### premium pearls

This small range of exclusive pearls, has been especially formulated to provide a powder coated finish of the highest standards, both from a technical perspective and also from an aesthetic perspective.

These coatings utilise the latest Kinetic® technology, to provide coatings of outstanding uniformity of colour and appearance whilst the pigmentation selected for use in producing these finishes has been selected because of their unique combination of sparkle and durability. The technology behind the products has been thoroughly tested and deemed especially fit to wear the Dulux® Duralloy® brand name.

Our Premium Pearls range may be a little more expensive than the usual run of the mill colour, but then these are not your usual run of the mill colours!

#### **DURATEC**

This selection of Premium Pearls is also available in our Duratec® technology, please check with your representative for availability.







#### 9157201Q **REVELLE**

Light reflectance percentage

RGB Values 185 185 179

91541125 **GINGERNUT** 

Light reflectance percentage

RGB Values 106 66 61

91581125 MUDDY WATERS

Light reflectance percentage

RGB Values 66 61 59

9159070M

Light reflectance percentage

47 46 46

91560945 **REWA REWA** 

Light reflectance percentage

RGB Values 60 62 57

91560955 **EVOLUTION** 

Light reflectance percentage

RGB Values 59 84 73

91560965 CORIANDER

Light reflectance percentage

RGB Values 97 112 95 

91572025 GT NORTH ROAD

Light reflectance percentage

RGB Values 73 77 83

91581135 SPUDNIK

Light reflectance percentage

RGB Values 112 98 87

91572035 PIXIE DUST

Light reflectance percentage

RGB Values 127 130 128



An intelligent infrared reflective coating.

A portion of sunlight is visible to the human eye and it is these wavelengths we see as colours. Other solar wavelengths however are invisible to us, yet we know they exist because we feel their effects everyday. UV rays for instance are full of energy and are what causes sunburn. Infrared light however is less energetic but comprises a large percentage of the solar energy that actually reaches the earth.

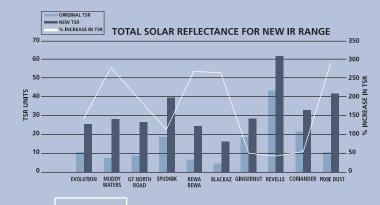
All light whether visible or invisible will heat up an object that absorbs it. The more solar energy an object absorbs the hotter it will get. By contrast the more solar energy an object reflects the cooler it will remain.

Two objects can appear to be identical in colour yet have very different solar reflectance characteristics especially when it comes to IR light. As IR light makes up over 50% of the energy from the sun that reaches the earth, it is the ability of an object to reflect IR light not its colour that is paramount when it comes to remaining "cool". We can measure this effect as an object or a coatings "Total Solar Reflectance" value. (TSR)

The formulas used to manufacture the reflections range use very specific raw materials to produce colours that have excellent TSR values as the graph below clearly shows.

Why is a cooler reflections coating better?

- Cooler products last longer. Heat accelerates the chemical degradation process, which we see as a loss of gloss, excessive or rapid colour fade, and poor physical properties. Staying cooler even by a small amount slows this degradation process down considerably and the coating retains its appearance for a longer period of time.
- Cool saves energy. The less heat transmitted to the interior of a building means less energy is required to keep it cool.



Please take the time to check an actual powder coated sample of the colour of your choice.



### 91558760

Light reflectance percentage

#### 9153065M LSG MATT DESERT SAND

Light reflectance percentage

DURATEC 9003065M

#### 9152111M LSG MATT BRONCO

Light reflectance percentage 37

DURATEC 9002111M

#### 91584215 STONE

Light reflectance percentage

#### 91558754 KAURI

Light reflectance percentage

#### 91596932 SORRELL

Light reflectance percentage

### 9157324M MATT THUNDER GREY

Light reflectance percentage

### 9158033M LSG MATT LIGNITE

Light reflectance percentage

#### 9158096M LSG MATT IRONSAND

Light reflectance percentage

9008109M

### 91557270

Light reflectance percentage



00YY 44/107

180 164 149



RGB Values



14YY 37/101

RGB Values 169 158 143



COLORSTEEL STONE

RGB Values 152 137 121



RGB Values 129 112 93



RGB Values 103 95 85



85 85 79



RGB Values 77 69 64

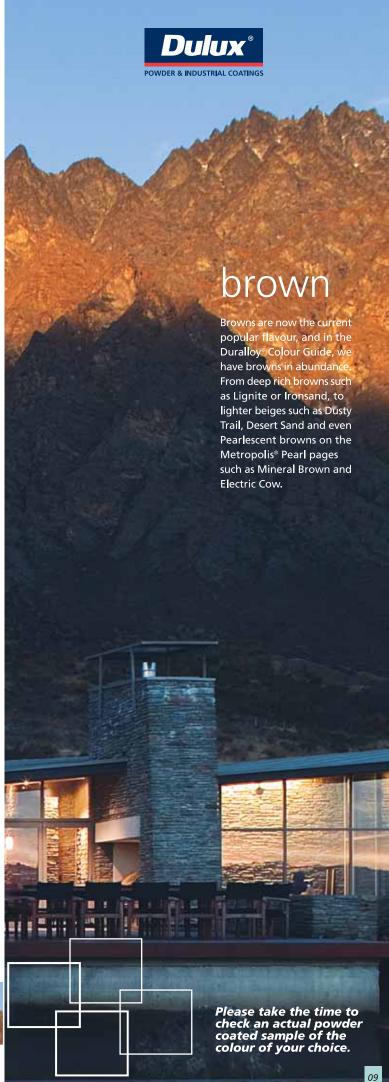


RGB Values 65 63 61



05YY 07/054

RGB Values 61 56 50









08



#### 91597128 **GULL GREY**

Light reflectance percentage

#### 91550279 WEDGEWOOD

Light reflectance percentage

#### 91597126 **AZURE**

Light reflectance percentage

#### 91550283 WIZARD

Light reflectance percentage

#### 91597132 INDIGO BLUE

Light reflectance percentage

### בסטכנו LSG MATT NEW DENIM BLUE 9155063M

Light reflectance percentage

DURATEC 9005063M

#### 91558609 NAVY

Light reflectance percentage

#### 91558604 STEEL BLUE

Light reflectance percentage

### **91597124** STORM BLUE

Light reflectance percentage

#### 9155147M MATT SLATE BLUE

Light reflectance percentage



RGB Values 172 176 173



08BB 20/202

RGB Values 88 119 148



COLORSTEEL **AZURE** 

RGB Values 77 109 125



70BG 12/110

RGB Values 73 92 102



COLORSTEEL INDIGO BLUE

RGB Values 74 78 84



12BB 10/050

RGB Values 72 78 87



RGB Values 43 57 78



91BG 10/104

RGB Values 57 73 86



COLORSTEEL STORM BLUE

RGB Values 62 73 84



18BB 07/086

RGB Values 56 64 77





**Dulux**®

colours of the sea and sky. They are aristocratic colours that can suggest peace and harmony or add a bold accent in furnishings or trim. Blues can cool a warm room, or provide a contrast to the hot colours of an arid landscape.

Please take the time to check an actual powder coated sample of the colour of your choice.







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#### 91558851 ARCTIC WHITE

Light reflectance percentage

DURATEC\*

90058851

#### 91558857 TUSK TUSK

Light reflectance percentage

#### 91558858 WOODWIND

Light reflectance percentage 74

#### 91558804 OFF WHITE

Light reflectance percentage

DURATEC 90058804

#### 91558808 PARCHMENT USA

Light reflectance percentage

#### 91584755 SMOOTH CREAM

Light reflectance percentage

#### 91536991 RIVERGUM BEIGE

Light reflectance percentage 64

#### 91558802 ALMOND

Light reflectance percentage 62

#### 91532658 MAGNOLIA

Light reflectance percentage

#### 9157304M MATT BONE WHITE

Light reflectance percentage 50



76BG 84/028

RGB Values 225 232 239



30YY 79/070

RGB Values 239 227 210



20YY 74/055

RGB Values 226 218 204



51YY 73/000

RGB Values 232 223 200



40YY 70/138

RGB Values 227 213 184



COLORSTEEL SMOOTH CREAM

RGB Values 229 209 170



RGB Values

216 202 184



18YY 62/128

RGB Values 214 196 173



45YY 60/139

RGB Values 217 203 169













## metropolis<sup>®</sup> pearls

26



### metropolis<sup>®</sup> pearls

9007317K DURATEC

91596605

DURATEC\*

9157113K METROPOLIS® SILVER 91596874 METROPOLIS® SAND PEARL KINETIC® Light reflectance percentage RGB Values RGB Values Light reflectance percentage 181 165 142 163 164 159

9152075K METROPOLIS® WARM WHITE PEARL KINETIC® 91596884 METROPOLIS® SPIRIT Light reflectance percentage RGB Values

Light reflectance percentage RGR Values 166 168 168 240 240 231 9001173K DURATEC

91596875 91596883 PORPOISE WHITE KNIGHT Light reflectance percentage RGB Values RGB Values Light reflectance percentage 126 127 125 216 213 204

9158068K 91596868 WINDOW BRONZE KINETIC® METROPOLIS® FLEECE RGB Values Light reflectance percentage RGB Values Light reflectance percentage 216 221 222

precious<sup>®</sup> metals 91558764

79 73 69

MINERAL BROWN SILVER STAR KINETIC RGB Values RGB Values Light reflectance percentage Light reflectance percentage 114 110 105 148 151 150 9007335K DURATEC

9159072K PRECIOUS® ANTIQUE PEARL KINETIC® 91596859 METROPOLIS® BLUE Light reflectance percentage RGB Values Light reflectance percentage RGB Values 72 80 89

96 98 101 90096859

9155113K METROPOLIS® EXTREME 9158034K SYRAH BRONZE PEARL KINETIC® DENIM MATT KINETIC® RGB Values Light reflectance percentage RGB Values Light reflectance percentage 96 101 106 73 55 53

METROPOLIS® ELECTRIC COW MATT KINETIC® PRECIOUS® COPPER RGB Values Light reflectance percentage Light reflectance percentage RGR Values 142 94 67 71 70 68

9159069K 91596604 METROPOLIS® COAL DUST KINETIC® PRECIOUS® GOLD RGB Values Light reflectance percentage Light reflectance percentage

**]** 9009100K 

Duralloy® Metropolis® Pearls deliver a vibrant, animated effect, ideal for use as a trim colour to enhance the total colour scheme. Duralloy® Metropolis® Pearls have been carefully chosen for their X factor, that special quality that allows this range of pearls to blend in harmony with a wide range of solid colours, turning standard architectural devices into features.

DURATEC

DENOTES: ALSO AVAILABLE AS A DURATEC® STOCK COLOUR

9158028K

DURATEC 9008153K

RGR Values

59 62 65

metropolis pearls

09

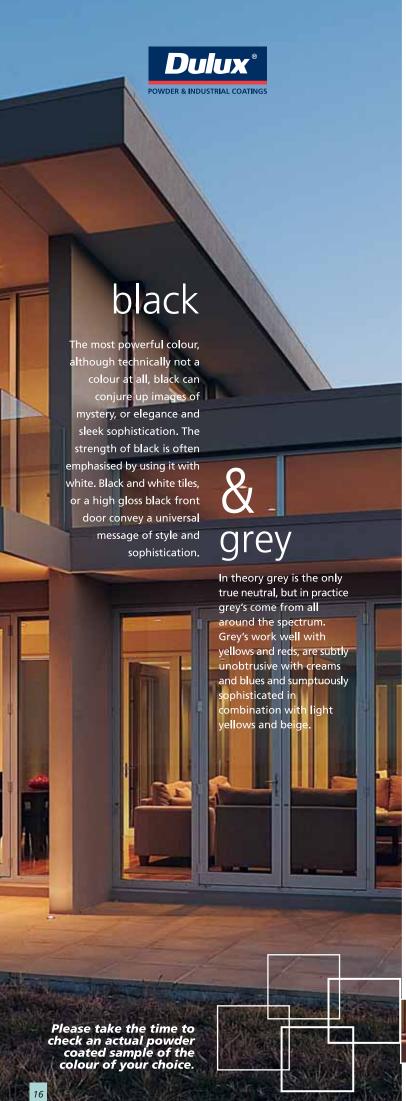
The Precious® range of Pearlescent colours were designed to offer an alternative to anodising. Metropolis® and Precious® Pearls attract the Dulux® Duralloy® Warranty.

14



160 136 94

Please take the time to check an actual powder coated sample of the colour of your choice. For technical reasons associated with colour reproduction, the colours shown give only an indication of shade. No guarantee can be given that they will exactly match the powder product.







35GY 24/020

RGB Values 118 119 116



58YY 23/021

RGB Values 125 125 123

24BG 20/059

RGB Values 103 114 115



87BG 12/022

RGB Values 89 92 96



18BB 10/027

RGB Values 71 74 77



17BB 08/019

RGB Values 61 64 67



RGB Values 54 56 59



30BB 06/042

RGB Values 57 63 68



00NN 05/000

RGB Values 43 43 44

87BG 04/003

RGR Values 44 44 45



Light reflectance percentage

#### 9157217M LSG MATT SANDSTONE GREY

Light reflectance percentage 25

9007217M DURATEC

#### 91558709 PARNELL GREY

Light reflectance percentage

#### 91558704 **FLINT**

Light reflectance percentage

#### 9157167M LSG MATT GREY FRIARS

Light reflectance percentage

9007167M DURATEC

#### 9159058M LSG MATT CHARCOAL

Light reflectance percentage

9009081M

#### 91558715 **GRAVEL**

Light reflectance percentage

#### 91558712 DARK GREY

Light reflectance percentage

9159041M LSG MATT BLACK / EBONY Light reflectance percentage

90097181 DURAT

91558651 SATIN BLACK Light reflectance percentage





DENOTES: COLOUR MATCHED DULUX WET PAINT REFERENCE ALSO AVAILABLE AS A DURATEC® STOCK COLOUR







56YR 20/282

RGB Values 164 102 75



RGB Values 149 65 64



RGB Values 198 48 53



RGB Values 129 63 57



25YR 09/208

RGB Values 103 59 54



RGB Values

215 212 200



RGB Values

210 205 192



20YY 57/060

RGB Values 193 187 176



RGB Values 173 175 175

09GG 29/061

RGB Values 127 139 131

#### 91558407 **TERRACOTTA**

Light reflectance percentage

### 91558408

Light reflectance percentage

#### 91556995 **COLA RED**

Light reflectance percentage

#### 91558405 PIONEER RED

Light reflectance percentage

#### 9154114M LSG MATT SCORIA

Light reflectance percentage

9004131M DURATEC

#### 9152068M LSG MATT TITANIA

Light reflectance percentage

9002068M

### 9157327M LSG MATT CANVAS CLOTH

Light reflectance percentage

9007327M DURATE

#### 91558721 O'KEEFE GREY

Light reflectance percentage

#### 91558714 **GHOST GREY**

Light reflectance percentage

#### 91532186 TRANSFORMER GREY

Light reflectance percentage





DENOTES: COLOUR MATCHED DULUX WET PAINT REFERENCE ALSO AVAILABLE AS A DURATEC\* STOCK COLOUR







08GY 29/092

RGB Values 128 133 119



46YY 23/114

RGB Values 136 128 107



RGB Values 116 126 106



62GG 18/142

RGB Values 85 117 112



68GY 17/089

RGB Values 98 110 98



COLORSTEEL **GABLE GREEN** RGB Values 80 89 85



RGB Values



90GG 09/114

RGB Values 41 78 77



50GY 07/036

RGB Values 59 61 54



RGB Values 57 62 56

#### 91558703 FRENCH GREY

Light reflectance percentage

### 9156101M LSG MATT LICHEN

Light reflectance percentage

9008119M DURATEC

#### 9156103M LSG MATT MIST GREEN

Light reflectance percentage

9006103M DURATEC

#### 91550267 STROMBOLI

Light reflectance percentage

#### 91552027 BOND RIVERGUM

Light reflectance percentage 17

90052027 DURATEC

#### 91596937 **GABLE GREEN**

Light reflectance percentage

#### 9156102M LSG MATT PERMANENT **GREEN / KELP**

Light reflectance percentage

#### 91558558 DEEP TEAL

Light reflectance percentage

#### 9156064M LSG MATT KARAKA

Light reflectance percentage

9006064M DURATEC

## 91558554 RANGOON GREEN

Light reflectance percentage





DENOTES: COLOUR MATCHED DULUX WET PAINT REFERENCE ALSO AVAILABLE AS A DURATEC\* STOCK COLOUR





### mannex

9153043Z MANNEX® TITANIA

RGB Values Light reflectance percentage 215 213 203

9153045Z MANNEX® BRONCO

RGB Values Light reflectance percentage 167 157 143

9157158Z MANNEX® METRO SILVER PEARL

RGB Values Light reflectance percentage 164 166 163

9153044Z MANNEX® DESERT SAND Light reflectance percentage RGB Values

184 168 144

9157156Z MANNEX® SANDSTONE GREY

RGB Values Light reflectance percentage 126 127 124

RGB Values

72 79 88

9155082Z MANNEX® NEW DENIM

Light reflectance percentage

9157157Z MANNEX® GREY FRIARS

RGB Values Light reflectance percentage 71 75 79

> 9159055Z MANNEX® CHARCOAL

Light reflectance percentage RGB Values 62 65 69

9158083Z MANNEX® IRONSAND

RGB Values Light reflectance percentage 64 63 61

> 9159056Z MANNEX® MATT BLACK

Light reflectance percentage

RGR Values

43 43 44



### performance and quality assurance

Dulux Powder & Industrial Coatings, manufacturer of Dulux Branded Powder Coating, is committed to providing products that strictly adhere to the ISO standard for quality management. The result is a range of powder coatings, that simply work better in New Zealand's unique climatic conditions.

#### Our two level performance guarantee

- 1. The first covers film integrity, which is a guarantee that the film will not peel, crack or flake. When applied by a Dulux Registered Aluminium Applicator, the products in this guide carry a warranty of 10 years film integrity on extruded aluminium.
- 2. Secondly, and one most customers assume is guaranteed is, colour performance. This is simply the ability of the coating to retain its colour and appearance within stated parameters for a given period.

The Duralloy® products featured here all have colour performance guarantees of 10 years when applied to residential aluminium sections by a Dulux Registered Aluminium Applicator.

#### **Dulux Registered Applicators**

All the warranties offered by Dulux® in this booklet are conditional on the powder coatings being applied by Dulux Registered Aluminium Applicators. These applicators are only certified after demonstrating their capability to meet stringent quality conditions and international standards. Each registered aluminium applicator has invested heavily in their business to guarantee their performance in preparing the aluminium and applying the premium Dulux® finishes shown in this guide.







### powder coating warranties and the environment



- Extruded aluminium window & door joinery
- Residential and small commercial developments
- Building up to three levels above ground
- Properties greater than 100 meters from high tide level
- Where AAMA 2603 performance is desired
- Where a 10 year film and colour integrity warranty is required
- For projects outside these parameters, check with your Dulux® representative.



### **DURATEC**

- Extruded aluminium window & door joinery
- Prestigious residential and commercial developments
- All major architectural developments
- Properties greater than 10 meters from high tid
- Welded aluminium sections greater than 100 meters from high tide level.
  Where AAMA 2604 performance is desired Where a 15 year film and colour integrity
- warranty is required
- For projects outside these parameters, check with your Dulux representative.

Do it once.. do it right..do it Dulux



### care & maintenance

To comply with warranty requirements and to extend the effective life of powder coatings, a very simple regular maintenance programme should be implemented.

1/ Carefully remove any loose deposits with a wet sponge. 2/ Use a soft brush (non abrasive) and a mild household detergent solution to remove dust, salt and other deposits. 3/ Rinse off with clean fresh water.

Do remove obvious deposits as they occur.

Do mask windows if painting.

Use only Methylated Spirits, Isopropanol or water to remove fresh paint splashes.

Do not use abrasive-steel wool, scrapers, scouring liquids or powders to remove paint splashes - these will damage your powder coating.

Do not use aggressive solvents-thinners, petrol etc. these solvents will attack gloss levels and reduce the powder coatings life expectancy.

Do not expose your joinery to excessive heat- heaters or hot air guns - these may damage the powder coating. If through some misadventure your powder coated aluminium joinery is scratched or damaged, don't panic. Dulux® colour Repair Kits are available.

Do contact Dulux® Powder & Industrial Coatings on 0800 800 975 for further information or advice.

Take care at installation time

Your window manufacturer puts considerable effort into protecting your powder coated joinery right through to installation time, however it is at this time that your joinery is perhaps most at risk of damage. For this reason your window manufacturer uses stickers, recommended by the Window Association of New Zealand, to help to protect their product.

These stickers read:-

#### "IMPORTANT ALL TRADES"

This valuable aluminium joinery will suffer permanent damage from: plaster, mortar and paint splashes - Protect if splashes occur - Immediately wash down joinery with water or meths - Do not allow splashes to harden! - Do not use solvents! - Do not remove this label until final clean completed.

All the activity on a construction site means that your window joinery may get knocked or scratched, splattered with mortar, plaster, textured coating or paint during the later stages of construction. Please ensure that your window and door joinery is masked at this time. It is far easier to prevent accidents than to try and correct them. Should your joinery receive mortar or paint splashes see that these are removed before cure and follow the instruction contained in this colour card or in the Dulux® Powder & Indusrial Coatings use and care brochure.

