



duro paint™ LOW SHEEN

A clean air, very low VOC, interior/exterior colouring paint which hardens to a vitreous enamel-like finish with an attractive smooth low sheen surface

PRODUCT OVERVIEW:

Long-life **duro paint's™ LOW SHEEN** patented* formulation combines outstanding performance, durability, hardness with flexibility plus an attractive coloured, low-slip, low skid, wear resistant finish. This is combined with its exceptionally low volatile organic compound (VOC) clean air nature.

Supplied by Ability in ANY colour as a ready-to-power-mix into clean water dry mix powder, **duro paint™ LOW SHEEN** is a water-based, two-pack but one step preparation, polymer-modified inorganic mineral paint.

When mixed and allowed to activate for 10-15 minutes it is ready to be applied – just like normal paints. **duro paint™ LOW SHEEN** is ultra violet (UV) resistant, weather-resistant and absolutely watertight to resist chemical attack by highly damaging salt and sulphate water solution ingress.

Easy and safe to use, **duro paint™ LOW SHEEN** is **free** of chemical solvents, contains almost **NO** VOC's and does **not** emit calculable harmful 'green house' gases.

USE ON:

duro paint™ LOW SHEEN high performance paint is applied with normal painting implements. It is suitable for use by applying it onto both exterior/interior vertical and horizontal surfaces - including walls, roofs, floors, decks, suspended slabs, steps, ramps, sidewalks, roads and individual pavements.

It is recommended for application to almost any type of **stable, firm, sound and clean** surface such as:

- concrete including recently placed set and partially hardened, highly alkaline (pH 12-13) concrete
- mortar finishes including rendered/plastered and patched wall surfaces plus floor/wall 'fairing' surfacing and levelling mortars
- fibre cement panels and planking
- asphalt and bitumen emulsion/aggregate sprayed pavement surfaces

- previously painted surfaces in sound, firm condition that have been prior to applying a **duro paint™** coating, suitably abraded such as with a sanding machine equipped with wet and dry abrasive paper to assist adhesion
- masonry – all types including natural stone
- new wood, that has been prime (first) coat with a quality commercial wood primer which has been allowed to through dry
- Properly prepared de-rusted existing or newly installed iron and steel that has been suitably primed with a quality commercial anti-corrosive primer or 'all metal' primer for ferrous metals and a range of other suitably prepared metal surfaces.

BENEFITS:

Developed with a focus on durable, environmentally sustainable development (ESD) principles and long-term performance, **duro paint™ LOW SHEEN** delivers a range of benefits, including:

- 100% solids formulation (all paint) for **maximum** film build at the recommended coverage rate to deliver outstanding performance and long term value
- watertight formulation with high chemical resistance. Provides definite protection against water permeation and corrosive sulphate and chloride salt solutions in water 'eating' into the substrate
- allows a **duro paint™** coated building to 'breathe' – as it transmits water vapour gas
- combines the highest UV, oxidation, weathering and chemical resistance with excellent abrasive wear, slip and skid resistance
- a highly protective civil engineering structure coating that **substantially** helps both primed iron and steel to resist corrosion by rusting
- combines high film hardness, with high flexibility and excellent adhesion with very low shrinkage, thereby reducing the risk of the applied **duro paint™** cracking, lifting or flaking
- unequivocally assists the prevention of bacterial mould and mildew development upon its surface
- has very high resistance to vehicles skidding and persons slipping

* Australian, NZ and UK Patent No: PCT/ AU01/00377

- easy-to-use and apply with normal paint application equipment
- free of chemical solvents **and** their odours
- can be colour matched to almost any opaque non-transparent coloured material to suit specific project requirements and also used to completely rectify off-colour precast concrete panels and rain damaged concrete pavements. Please ask for previous actual examples and methods
- extremely durable and long lasting
- has high fire retardancy – as can be seen on duro paint™ coated St. Joseph's fire damaged church, Collingwood, Melbourne. Contact us for photos and Peter Lovell at Lovell Chen, Heritage Architects & Consultants, Ph: 9667 0800.

USAGE AND APPLICATION:

Supplied in ready-to-use, powder form, **duro paint™ LOW SHEEN** should be thoroughly mixed about 30 minutes prior to its application (using a power mixer) into the specified quantity of clean potable (drinking) water which is the reactant, and NOT intended as a solvent to evaporate and dry the paint. It sets and hardens by chemical action.

Mixed liquid **duro paint™ LOW SHEEN** should be applied fairly liberally and uniformly to a **prepared** surface, which should be clean, sound, firm and smooth. Porous, semi-porous and/or absorbent surfaces should be lightly but uniformly dampened with clean water prior to the application – particularly surfaces such as CSR's Hebal® blocks and panels.

duro paint™ LOW SHEEN can be applied using typical standard painting/application methods including by brush, roller, sponge and/or using suitable spraying equipment.

Once the powder is mixed into the recommended proportion of drinkable water using the suggested mixing procedure outlined in the duro paint™ APPLICATION MANUAL, **duro paint™ LOW SHEEN** has a useable 'pot' life of approximately 5 hours at 23°C and 50% relative humidity. Each applied coat or layer sets and becomes 'touch-dry' in approximately 90-120 minutes at this same temperature and humidity.

The product's early water resistance time after setting may be increased by using warm water (23°C-30°C) into which the powder is mixed **and** by gentle intermittent clean water spray curing 2-4 hours after the final coat sets and becomes 'touch' dry.

In this way, for maximum performance, the finished painted surface should be gently hosed intermittently with clean tap water to assist its mix water retentive curing and hardening.

It is recommended that this water spray curing technique be carried out several times (preferably 6 times) intermittently over 1-2 days following the application of the final coat, ie 6 x 10 minute hosings over 1-2 days.

This procedure allows optimal hardening by mix water retentive curing and removes a whitening surfactant.

DOSAGE RATES:

Recommended mixing proportions are 10kg of duro paint™ **LOW SHEEN** powder into 8.5 litres of clean water.

COMPATIBILITY:

duro paint™ LOW SHEEN is suitable for use on almost any clean, prepared and stable vertical and horizontal substrates – particularly those indicated previously. For surfaces that have been previously coated and/or treated with other products, kindly contact Ability Building Colours for further information.

PACKAGING:

duro paint™ LOW SHEEN is supplied as a white or coloured dry-mix powder in 10kg pails.

COVERAGE:

The recommended coverage rate for the application of mixed and prepared liquid **duro paint™ LOW SHEEN** is 5-6m²/litre per coat with a **minimum** of two (2) coats or layers recommended to be applied in all cases.

STORAGE:

For maximum shelf-life, **duro paint™ LOW SHEEN** should be stored in its original container, out of direct sunlight, in appropriate dry, low humidity, 23°C average temperature conditions.

When kept dry and stored under low humidity and not excessively high temperature conditions in its original unopened container, **duro paint™ LOW SHEEN** has a storage shelf life in excess of 24 months.

PRECAUTIONS:

duro paint™ LOW SHEEN is a non-hazardous, non-flammable, non-explosive substance and is classed as a non-dangerous good, however, it is recommended that the following Personal Protective Equipment (PPE) and safety precautions are followed when handling and using the product:

- Wear full overalls, a **nose/mouth mask**, gloves and safety goggles during the mixing procedure and duro paint™ application
- Avoid making dust in the air
- Avoid skin and eye contact
- Always wash hands before eating, drinking, smoking or using the toilet

For further Health and Safety information, please refer to **duro paint™ LOW SHEEN** Material Safety Data Sheet (MSDS) which is available from Ability Building Colours.

For further printed information please call Ability on 61 3 9457 6488 or send an email to:

service@abilityproducts.com.au for a **free sample** of **duro paint™ LOW SHEEN** in a preferred colour.

You can also visit our website:

www.abilityproducts.com.au or www.duropaint.com

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ADDITIONAL FEATURES OF duro Paint™

ALL THREE (3) duro paints™, duro paint™ STIPPLE, duro paint™ MATTE and duro paint™ LOW SHEEN

- are powders and easily mixed into water with a power mixer – perhaps one that is hired, to make full bodied easy-to-spread out quality paint
- can be used **without** a primer on concrete, asphalt, masonry, most other surfaces but for timber and metal surfaces respectively with a recommended commercial paint primer designed for each surface
- are very easy to apply – consistently and uniformly – by means of NORMAL paint application implements
- are supplied as lightweight powders – which makes them – compared with heavy typical liquid paints, lighter to lift and easier to carry to the building site

ALL THREE (3) duro Paints™ ARE:

- mixed into water they set and harden like concrete or mortar – not to dry out – like typical paints by evaporation of a solvent
- inorganic, mineral based and therefore extremely long lasting
- absolutely and completely UV resistant because they are mineral based – so are Ability's abilox® mineral oxide pigments used to colour them
- completely watertight and manufactured to be colour consistent and highly abrasion resistant
- exceptionally LOW in – almost FREE of volatile organic compounds (VOC's)
- free of chemical solvents, greenhouse gases and 'painty' odours
- are inclusive of a free, no charge colour matching service and available in ANY custom made colour for commercial quantities and their three (3) types of texture finishes – STIPPLE – a fine, dotted finish, MATTE – an almost smooth light sandy finish and LOW SHEEN that provides a smooth low gloss finish
- in spreading duro paint™ out to an applied finish onto a prepared-for-painting surface, the **highest coating thickness is automatically** obtained. This is almost double the thickness of typical architectural paints. The **microscopic** hollow ceramic 'E Spheres®' contained within duro paint™ provides acoustic and thermal insulation as well – especially for two (2) coats
- ideal for application to materials that will be **submerged** in water – as duro paint™ is resistant to fresh, chlorinated or seawater – and is a hallmark property for projects such as water features, fountains, swimming pools and undersea locations in marine environments
- able to intrinsically provide an **highly** wear resistant and **non-slip non-skid** surface
- the highest paints in providing **fire retardancy** characteristics
- **chemically resistant** – impervious to common salt (sodium chloride), chemical sulphates, fats and oils, and most chemical solvents
- excellent in their paint coverage – example: one (1) pail of duro paint™ STIPPLE will typically cover an area of 25-30 square metres with the application of two (2) coats.

USE duro paint™ **FOR A VERY LONG LASTING JOB!**

REMEMBER, IT'S **GUARANTEED** FOR TWENTY (20) YEARS.