



## duro paint™ STIPPLE

**A long life, high build, supremely durable mineral paint coating with a subtle matte stipple textured finish**

### PRODUCT OVERVIEW:

Supplied as a ready-to-mix-into-water powder, patented\* **duro paint™ STIPPLE** when power/mixed becomes one of the longest lasting paints ever invented.

Highly suitable for exterior OR interior surfaces, it's a clean air, odour free polymer-modified, water-based, inorganic, mineral surface coating that delivers a watertight exceptionally durable, UV resistant opaque **coloured** finish with a slight subtle, stippled texture. However, it is not available as a clear coating.

\* Patent No: PCT AU2005/000466

Applied with the same implements as regular paints, **duro paint™ STIPPLE** is available in a choice of 'standard' colours, or for a large specific project made available as a **custom** colour-matched product in **any** colour required.

**duro paint™ STIPPLE** utilises in its manufacture internationally patented 'E-SPHERE®' technology.

E-Spheres are lightweight but strong hollow ceramic micro and macro-spheres that assist in delivering a paint applied to horizontal surfaces having outstanding wear resistance and low slip/skid hazard performance, whilst improving both thermal and acoustic sound deadening insulation properties when used on walls, rooves and ceilings.

**duro paint™ STIPPLE has been developed with a focus on environmentally sustainable development (ESD), is easy and safe to use and has no unpleasant odour. It contains a very, very low amount of VOC's (Volatile Organic Compounds) – hardly any so the emittance of climate-warming 'greenhouse' gasses is therefore not considered an issue.**

### USE WITH:

Suitable for application to both vertical, sloping, and horizontal surfaces, **duro paint™ STIPPLE** provides a protective and decorative, watertight, wear and highly chemical resistant coating for walls, floors, decks, steps, stairs, ramps, pavements and roads as well as for painting structures and items that will be permanently submerged in water, chlorinated water, or sea water.

Often painted onto plain grey unpigmented concrete to provide colour, instead of actual abiloX® oxide pigmented 'through' coloured concrete, **duro paint™ STIPPLE** can be applied **without** a primer, (except for wood and metals) to almost any type of firm stable, sound, and clean surface, including:

- ✱ Concrete (including recently set, highly alkaline, high pH concrete)
- ✱ Mortar including existing wall rendering/ plastering, and floor/wall levelling/fairing mortars and for use as an excellent low shrink patching material
- ✱ Masonry – brickwork, blockwork and stonework
- ✱ Wood – primed first with a quality commercial wood priming paint (primer)
- ✱ Dampened fibre cement wall panels and planking
- ✱ Iron, steel – primed first with an 'all metal' commercial primer – and aluminium **without** a primer and other suitably prepared metal surfaces
- ✱ Previously painted surfaces where the paint in sound condition has been suitably abraded, roughened and made clean

### BENEFITS:

Developed with a focus on durability and performance, 'duro paint™' delivers a range of benefits, including:

- ✱ Being 100% solids formulation **not** containing an evaporating solvent to 'dry' the paint (it's a two pack, reactive, but 'one step' preparation paint where the water is the **reactant** – not a solvent), it provides an extremely high protective dry film thickness (DFT) – easily up to 500µm thickness for the recommended two (2) coats. This is **2½ times thicker** than normal paints
- ✱ Exceptionally high UV, weathering, water erosion, oxidation, and chemical resistance
- ✱ Watertight formulation provides the highest protection to the substrate against water permeation and corrosive sulphate, salt/chemical **solution** ingress – therefore there is absolutely **no need** for a separate clear 'sealer' overcoating to be applied
- ✱ Delivers **exceptionally** high levels of abrasive wear and impact resistance
- ✱ Can be colour matched to almost any colour for paving, floor, walls, or roof projects – in fact ANY substantial project

- Attractive coloured, slightly stippled texture finish assists, with other anti-slip additives contained in **duro paint™ STIPPLE** to provide for horizontal work the highest resistance to skidding and slipping in wet conditions
- Combines hardness, *flexibility* and excellent adhesion with very low shrinkage, thereby ensuring that the applied product will not crack lift or flake
- Easy-to-use and apply with normal paint application equipment
- Has no noxious odour and does not give off noxious gasses
- Can be used with a variety of application methods to provide various architectural and/or decorative surface effects having high impact resistance
- **duro paint™ STIPPLE** is an anti-corrosive paint that allows suitably primed iron and steel to resist rusting *absolutely*
- An excellent product when used to rectify, rain damaged, worn and pitted concrete pavements, floors, ramps, and suspended slabs
- Extremely durable – guaranteed for 20 years against flaking, lifting and peeling on a vertical surface and 10 years on horizontal trafficked surfaces when applied as recommended

#### USAGE & APPLICATION:

Supplied as a ready-to-use powder, in a 20kg pail **duro paint™ STIPPLE** should be thoroughly mixed (using a power mixer) into eight (8) litres of clean, drinkable water- just prior to application.

**duro paint™ STIPPLE** should be applied liberally and uniformly to a properly prepared surface, using a minimum 3000 psi water blaster which should result in it being clean, sound, and then allowed to partially dry to be lightly but uniformly water *dampened* prior to application.

**duro paint™ STIPPLE** can be applied using most painting/application methods, including brush, roller, soft broom, sponge, and suitable spray equipment.

For maximum durability and protection, two (2) coats are recommended for most applications.

When applied, **duro paint™ STIPPLE** sets to become 'touch dry' in approximately 1.5 hours at 23°C and 50% RH (Relative Humidity). Shortly after this stage it should be hosed several times – gently at first, with clean tap water to assist with its hardening/curing, and the removal of surface-active agent (surfactant).

For maximum protection and longevity, and to avoid the occurrence of a white surface bloom, it is recommended that this water spray curing technique be carried out several times *intermittently* over the following 1-2 days (preferably 6 x 10 minute hoses).

#### SURFACE COMPATIBILITY:

**duro paint™ STIPPLE** is suitable for use on most prepared, clean, sound, and stable vertical, sloping, and horizontal substrates that have been lightly dampened with clean, drinkable water.

For surfaces that have been previously coated and/or treated with *other* products, please contact Ability Building Colours for further information.

#### PACKAGING:

**duro paint™ STIPPLE** is supplied in 20kg pails.

#### DOSAGE RATES:

Recommended mixing proportions are: **duro paint™ STIPPLE** powders added slowly to 8 litres of clean potable (drinking) water whilst the mixer is turned on.

#### COVERAGE:

On average, the coverage rate for a 20kg pail of **duro paint™ STIPPLE** powder added and mixed with eight (8) litres water is 25-30 square metres (m<sup>2</sup>) for two (2) coats.

#### STORAGE:

For maximum shelf life, **duro paint™ STIPPLE** should be stored below 23°C, in its original container, out of direct sunlight, in appropriate, dry conditions.

When kept dry and stored under low humidity and low temperature conditions in its original unopened container, **duro paint™ STIPPLE** has a storage shelf life in excess of 24 months.

#### PRECAUTIONS:

**duro paint™ STIPPLE** is a non-hazardous, non-flammable, non-explosive substance and is classed as a non-dangerous good, however, it is recommended that users adopt the following personal protective equipment and precautions for safety are followed when handling and using the product.

- Wear full overalls, gloves safety goggles and a dust mask during mixing and application
- 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™ STIPPLE** Material Safety Data Sheet (MSDS), which is available from Ability Building Colours.

#### FURTHER INFORMATION:

Go to [www.abilityproducts.com.au](http://www.abilityproducts.com.au) or [www.duropaint.com](http://www.duropaint.com) or simply GOOGLE abilox

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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, 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.