



# duro paint™ MATTE – an interior/exterior

exceptionally long life, high build, mineral coating with a smooth matte finish

## PRODUCT OVERVIEW:

Specifically developed for use in applications requiring a very long-lasting, decorative and protective coating to have a smooth matt finish. **duro paint™ MATTE** combines outstanding durability, long-term performance, in-built film flexibility and the highest adhesion to avoid this high quality coating cracking flaking and peeling.

Highly suitable for walls and ceilings it features in addition for horizontal surfaces such as sidewalks an attractive, low-slip, low-skid, wear-resistant finish.

It is a smoother version of Ability's patented and now famous stipple-textured **duro paint™ STIPPLE** product.

Supplied in a pack containing a ready-to-mix with water powder, duro paint™ is required to be adequately mixed into a prescribed quantity of clean water using a power mixer.

duro paint™ MATTE is a water-based, two-pack but one step preparation, polymer modified, inorganic mineral paint that is UV-resistant, weather resistant and absolutely watertight.

Highly protective, it rejects and resists attack by acid rain and highly damaging salt and sulphate water solution ingress.

At the same time, duro paint™ MATTE helps to improve both **thermal and acoustic insulation** properties, while also acting as an effective **fire retardant** for structures.

Easy and safe to use, duro paint™ MATTE is virtually **free** of VOC's (Volatile Organic Compounds) i.e. therefore there are almost **nil** 'greenhouse gasses' and it does not emit harmful chemical solvents or their odours i.e. **no** painty smells!

duro paint™ MATTE is available in **any** colour as a custom colour matched project product.

## USE WITH:

Interior and exterior duro paint™ MATTE is suitable for use on both vertical and horizontal surfaces including walls, ceilings, floors, decks, steps, footpaths, ramps, roads, traffic crossings and all concrete hardscapes or asphalt pavements.

duro paint™ MATTE is also ideal for use on items that will be permanently submerged in fresh, chlorinated, salt or sea water, including swimming pools, ponds, water features, piers, boat/ship moorings and marinas.

duro paint™ MATTE may be applied by normal painting implements to almost any type of stable, firm, sound and clean surface, including:

- ✱ Horizontal or vertical concrete particularly pre-cast panels (including recently placed, high alkaline high pH concrete)
- ✱ hardened mortar (including rendered/plastered wall surfaces)
- ✱ fibre cement panels and planking
- ✱ all masonry
- ✱ primed wood – using a quality commercial wood primer first
- ✱ 'all-metal' primed iron, steel and a range of other suitably prepared primed metal surfaces

## BENEFITS:

Developed with a focus on an enduring **long-term** performance, duro paint™ MATTE delivers a **highly beneficial range of benefits**, including:

- ✱ duro paint™ is a 100% solids water based formulation which provides an extremely high protective dry film thickness (dft)
- ✱ is absolutely watertight (two (2) coats) to provide protection against water permeation and corrosive aqueous sulphate and chloride salt solution ingress
- ✱ allows a structure in air to 'breathe' as it allows the transmission of water vapour gas
- ✱ combines exceptionally high UV, oxidation, weathering and chemical resistance, with superbly **high** abrasion, erosion and wear resistance
- ✱ is a highly protective coating that **considerably** assists both iron and steel to resist rusting
- ✱ when power mixed and two (2) coats are applied there is comfort in knowing that it is **100% paint** that is employed i.e. **NO SOLVENTS** to evaporate and reduce the applied wet film thickness (WFT). The mixed water is the reactant for the powder.

- combines hardness, flexibility and excellent adhesion with very low shrinkage, thereby reducing the risk of the applied paint product cracking, lifting or flaking
- easy to apply with normal paint application equipment
- can be used with a variety of specialised application equipment and methods to provide **alternative** architectural and/or decorative effects – such as a more extreme texture provided with Tyrolean spray equipment
- Ability provide colour matching to any colour – to suit specific project requirements and/or to rectify off-colour precast concrete building panels or other off-colour materials in ANY colour required
- extremely durable! Guaranteed for twenty (20) years against flaking, lifting and peeling when applied in two (2) coats as recommended to vertical surfaces and ten (10) years on horizontal surfaces.

#### USAGE AND APPLICATION:

Supplied as a ready-to-mix into water powder, duro paint™ MATTE should be thoroughly mixed (using a power mixer) into the specified quantity of clean, potable water (drinking water) which becomes a total part of the paint, just prior to its application to a dampened surface.

duro paint™ MATTE should be applied liberally and uniformly to a **prepared** dampened surface, i.e. made clean, sound and lightly but uniformly water dampened prior to application of the liquid paint.

duro paint™ MATTE can be applied using most standard painting/application methods including brush, roller, sponge and/or spray (using suitable spraying equipment).

Once mixed well using the recommended mixing procedure, duro paint™ MATTE has a useable 'pot' life of approximately three (3) hours at 23°C.

At the same temperature, the **applied** product chemically sets to become 'touch-dry' in around 30-45 minutes.

After the application of two (2) coats, the painted surface should be gently hosed **intermittently** with clean tap water to assist in its hardening and curing by means of this water retaining water spray method.

For maximum protection, it is recommended that this water spray curing technique be carried out several times intermittently over the following 2-3 days. i.e. each approximately 10 metre square painted area is lightly water hosed for 5-6 minutes over a 2-3 day period.

#### DOSAGE RATES:

Recommended mixing proportions for duro paint™ MATTE are 2 parts duro paint™ MATTE powder to 1 part clean potable (drinking) water by weight i.e. a 12kg pack of duro paint™ powder to 6 litres (6 kg) of clean water.

#### COMPATIBILITY:

duro paint™ MATTE is suitable without a primer for use on most clean, prepared and stable vertical and horizontal surface substrates. The exception is wood and metals.

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

#### PACKAGING:

duro paint™ MATTE is supplied in 12kg pails.

#### COVERAGE:

On average, the coverage rate for a 12kg pail of duro paint™ MATTE is 25-30 square metres for 2 coats.

#### STORAGE:

For maximum shelf-life, duro paint™ MATTE should be stored in its original container, out of direct sunlight under 30°C in appropriate, dry conditions.

When kept dry and stored under low-humidity moderate temperature conditions in its original unopened container, duro paint™ MATTE has a storage shelf life in excess of 12 months.

#### PRECAUTIONS:

duro paint™ MATTE 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, gloves, safety goggles and a dust mask during mixing
- 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™ MATTE Safety Data Sheet (SDS) which is available from Ability Building Colours.

## PRODUCT DATA CONT....

### 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(Conditions apply).