



duro® Colours

High Performance, High Chroma, Bright, Organic Powder Colouring Pigments For All Water-based Materials

Product Overview:

Specifically developed for use in interior concrete floors, applied hard-face wall plaster, terrazzo finishes and artistic/sculptural applications, high performance **duro**® colouring pigments deliver brilliantly bright, high-chroma integral colouring for all types of concrete, mortar, masonry, pavers, tiles, other cement-bound materials/products, aqueous paints, lacquers, inks, and other water-based, resin bound materials.

Supplied as a ready-to-use single component powder admixtures, **duro**® organic colouring pigments are available in a choice of 22 clean, bright standard colours, ranging from vivid reds and yellows, through to strong intense blues and greens. **duro**® Colours can be used with either off-white or grey cement to provide separate shades for concrete, and can be colour matched to suit the needs of specific projects.

As is the case with Ability's **abilox**® mineral oxide colourants, **duro**® colouring pigments can also play an important role in assisting architects, landscape architects and designers to achieve environmentally sustainable development (ESD) goals by providing high quality, highly durable and attractive coloured concrete and rendering mortars without the need for additional surface coating finishes or painting.

Use With:

The **duro**® range of organic colouring pigments have been developed for use in indoor or 'UV protected' outdoor areas, and are suitable for use with all grades and classes of pre-mixed concrete, including:

- Shotcrete
- Grout mixes
- Cementitious toppings
- Polymer concrete
- Rendering mortars
- Masonry mortars
- Gypsum plaster/lime-bound materials
- Water-based paints and inks
- Aqueous emulsion/dispersion, polymer resin-bound materials and products
- Rubber latex

The **duro**® range of organic colouring pigments can be used to provide bright and vivid integral colour for:

- Poured/cast in situ internal concrete walls and floors
- Precast concrete elements
- Applied hard face wall plaster and internal renders
- Internal terrazzo and concrete table/bench tops, splash backs, panels and floors
- Artistic, sculptural and architectural feature elements.

Benefits:

duro® organic colouring pigments deliver a range of benefits, including:

- Extremely vivid / intense integral colour with low dose rates
- Range of 22 standard colouring pigments
- Can be custom 'colour-matched' to almost any colour
- Easy-to-use with both off-white and grey cement-bound mixes
- Uniform in colouration strength from batch to batch and bag to bag

- Contain no VOC's (Volatile Organic Compounds)
- High degree of light-fastness
- Reduces on-going maintenance requirements - improves ESD by eliminating the need for additional painting or surface coating finishes
- Versatile
- Easy 'stir-in' formulation ensures excellent colour uniformity and colouring strength.

Usage and Application:

Supplied as ready-to-use, single-component powder admixtures, **duro**[®] organic colouring pigments are typically added last to the freshly made plastic concrete in the mixing barrel. The addition of **duro**[®] Colour to the mixing barrel should be followed by a thorough remixing of the concrete, mortar or other material formulation, to ensure that the colourant is evenly distributed throughout the mix.

For all other materials, it is recommended that **duro**[®] Colour is added to the mix at the selected dosage rate as the last item, followed by further thorough mixing to ensure full distribution of the colour throughout the mix.

Dosage Rates:

duro[®] organic colouring pigments are used by blending and dispersing small weight proportions - typically between 2% and 5% - based on the binder weight into liquid and semi-solid composite formulations during manufacture.

Compatibility:

duro[®] organic colouring pigments are suitable for use with all grades and classes of pre-mixed concrete, including: shotcrete, grout mixes and polymer concrete, as well as trowel applied rendering and masonry mortars, applied lime/gypsum plaster walling materials and terrazzo. **duro**[®] colours are also compatible with virtually all industry-recognised concrete admixtures.

Please contact Ability Building Chemicals Co for information on specific admixtures, products, mix designs and how to achieve duo or multi-coloured effects.

Packaging:

duro[®] organic colouring pigments are supplied in 25kg multi-wall paper sacks.

Storage:

For maximum shelf-life, **duro**[®] organic colouring pigments should be stored out of direct sunlight, off the ground, in appropriate, dry conditions not exceeding 25°C.

duro[®] colours have a storage shelf-life of 12 months when kept in under these conditions a dry place in tightly closed original packaging.

Precautions:

duro[®] organic colouring pigments are non-hazardous substances and are classed as a non-dangerous good, however, it is recommended that the following Personal Protective Equipment (PPE) and precautions are followed when handling the product:

- Wear full overalls, gloves and safety goggles
- Avoid skin and eye contact
- Avoid inhalation if there is a dust potential - use dust mask or NOISH approved respirator in enclosed areas
- Always wash hands before eating, drinking, smoking or using the toilet
- Wash any contaminated clothing or protective equipment prior to storage or reuse.

For more information please view our website or contact our friendly staff at Ability on: 03 9457 6488