

Dulux Avista Integral Colour Oxide



Oxide for full depth colouring of ready mixed concrete

Uses

Avista Integral Colour Oxides can be used for colouring standard concrete as well as colouring exposed aggregate and polished concrete. It can be used in concrete for pavements, driveways and roads.

Advantages

- Disperses easily in the concrete
- UV and alkali resistant
- Wide range of colours
- Packaged in a water soluble inner bag

Description

Avista Integral Colour Oxide can be added to ready mixed concrete to provide full depth coloured concrete and is available in a range of colours. The inner bag containing the oxide is water soluble and can be added to the agitator as is.

Application Instructions

Note: The inner bag containing the oxide is water soluble and can be added to the agitator as is. Do NOT put the outer bag in the agitator.

- Add two thirds of the desired water content to the agitator.
- Add the Integral Colour bags at the correct dosage rate. Refer to the Avista Integral Colour chart to determine the correct quantity of bags that are required to achieve the desired colour. Note that the entire inner bag/s should be added to the agitator unopened. The outer bag should be disposed of.
- Mix at full mixing speed for a minimum of one minute.
- Add the dry ingredients (eg cement, aggregates and required admixtures) to the agitator.
- Add the balance of the water to bring the concrete up to the design slump.
- Once the load is fully batched continue to mix at full mixing speed for a minimum of 15 minutes.

PLEASE NOTE:

- Once the batching process is completed at the plant, DO NOT add additional water on site and DO NOT exceed the design slump.
- The bag is water soluble but it requires correct mixing speed and mixing time to ensure that full breakdown of the bag and thorough blending of the colour is achieved.

- Do not cover the surface with plastic as sweating will also cause discolouration.
- It is recommended that the surface be sealed with the appropriate Avista Concrete Sealer.

Colour variation

- Placement and finishing practices also affect the consistency of colour on the finished job. Incorrect application techniques may result in colour variations throughout the job.
- All finishing should be consistent. No water can be added to aid trowelling as this causes uneven colour. DO NOT trowel in initial stage of concrete placement. Bleed water will cause colour variations
- Final pavement colour will be influenced by on site conditions as well as the properties of the concrete mix. Concrete colour can differ when different formulations or batches are used. Differences in colour may also occur when pavements are placed at different times or when subjected to different curing rates. Colours are based on the industry standard of 300 kg of GP cement per cubic metre of concrete.

Dosage rate

Generally 1 or 2 bags per cubic metre using grey or off white cement at 25 - 32 MPa - refer to Avista Integral Colour chart for dosage rates. A higher dosage may be required for higher strength concrete.

Limitations

Due to the variability of concrete (resulting from different admixtures, fly ash, water ratios, application method, textured finish achieved and other factors) final colours may vary slightly from colour charts and samples.

Coloured concrete must only be laid onto well drained consolidated areas. Discolouration may occur if free water is allowed to rise during finishing.

If intended for Stamped Impression Concrete it is recommended that a suitable colour hardener be trowelled into the surface prior to stamping to help increase surface strength.

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Supply

Product code	Description
778097	AVS INTEGRAL COLOUR GHOST GREY 10KG
778098	AVS INTEGRAL COLOUR DUSKY GRAPE 10KG
778099	AVS INTEGRAL COLOUR SIENNA 10KG
778100	AVS INTEGRAL COLOUR COASTAL STONE 10KG
778101	AVS INTEGRAL COLOUR BURNT T'COTTA 10KG
778102	AVS INTEGRAL COLOUR RED OCHRE 10KG
778103	AVS INTEGRAL COLOUR CAMEL 10KG
778104	AVS INTEGRAL COLOUR SADDLE 10KG
778105	AVS INTEGRAL COLOUR PARCHMENT 10KG
778109	AVS INTEGRAL COLOUR HAVANA 10KG
778110	AVS INTEGRAL COLOUR CLASSIC MOCHA 10KG
778111	AVS INTEGRAL COLOUR PLUTO 10KG
778112	AVS INTEGRAL COLOUR LIGHT TOFFEE 10KG
778113	AVS INTEGRAL COLOUR CANTERBURY 10KG
778114	AVS INTEGRAL COLOUR VINTAGE TAN 10KG
778115	AVS INTEGRAL COLOUR RUSSETT BROWN 10KG
778116	AVS INTEGRAL COLOUR NICKEL 10KG
778117	AVS INTEGRAL COLOUR STONE RIDGE 10KG
778118	AVS INTEGRAL CINNAMON\CUBAN BRICK 10KG
778119	AVS INTEGRAL COLOUR CAPRICORN 10KG
778120	AVS INTEGRAL COLOUR COPPER 10KG
778122	AVS INTEGRAL COLOUR ANTIQUE BRONZE 10KG
778123	AVS INTEGRAL COLOUR ROMAN CLAY 10KG
778125	AVS INTEGRAL LONDON STONE\BLK KNIGHT10KG
778126	AVS INTEGRAL OXFORD GREY\BLACK 10KG
778127	AVS INTEGRAL COLOUR PEBBLE HAZE 10KG
778129	AVS INTEGRAL COLOUR SLATE 9KG

Storage

Storage conditions

Store in dry conditions in the original, unopened containers. If stored at high temperatures and/or high humidity conditions the shelf life may be reduced.

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Dulux Avista website www.duluxavista.com.au. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In an emergency, contact any Poisons Information Centre (Telephone 131 126 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Dulux Avista does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

