

FEBTONE

SUPER PERMANENT COLOURS FOR CEMENT

Specification Type:

BS1014. NZS 3117

Shades obtained with 2.5kg of FEBTONE mixed with each 50kg of Portland Cement.

Description:

FEBTONE Super Permanent Colours for cement contain pure pigments only and are free from adulterants and earth colours. The colouring matter of FEBTONE complies in every respect to BS 1014. (This in itself is your guarantee of quality).

FEBTONE is available in six standard shades: Rich Marigold, Natural Green, Rich Yellow, Autumn Brown, Tile Red and Black.

It is used at the rate of 1.25kg to 2.5kg FEBTONE per 50kg cement.

By intermixing reducing the amount of colour, there is no limit to the variety to the shades that can be formed.

Advantages:**Plasticising:**

Concrete, granolithic and cement paving's spread with ease when you colour with FEBTONE, the water/cement ratio is reduced and finishing is quicker and easier. Cement renderings also "spread like butter" and adhere with a tenacious grip.

Rapid Hardening:

Concrete and cement floors can be opened to traffic at a much earlier age than normal when you use FEBTONE.

Floor Hardening:

When FEBTONE colour is used, concrete granolithic and cement floors are made iron hard and non-dusty, and are able to withstand the heaviest of traffic.

Waterproofing:

Concrete, cement renderings and paving's are made waterproof when you colour with FEBTONE.

Increased Strength:

When you use FEBTONE Colour, the compressive, tensile and abrasive strengths of concrete and cement paving's are increased.

Composition:

FEBTONE is a free-flowing powder comprising synthetic oxides, complying with BS 1014, combined with an air-entraining plasticiser and chloride-free accelerator.

Contains no inert fillers.

Directions for Use:

Mixing: FEBTONE has a self-mixing action, being automatically distributed throughout the concrete or mortar as it is mixed in the normal manner.

When gauging by hand, dry measure out the aggregate and cement and sprinkle the FEBTONE colour over the heap, following which the material should be turned over dry and then wet mixed in the normal manner.

When mixing by machine, place the aggregates and cement in the mixing drum, throw in the amount of FEBTONE required, and then mix in the normal manner.

Please note that, because FEBTONE has a plasticising action, less mixing water than normal is required.

Maximum plasticity and waterproofing action is obtained when used at the full quantity of 2.5kg of FEBTONE per 50kg of cement.

Guide to Application:

Wall Renderings: Apply the rendering into a keyed surface at a total thickness of 18mm in two coats. The first coat to be applied at a thickness of 12mm and composed of 1 part Portland Cement to 4½ -6 parts of clean, sharp, washed sand, plus the addition of 0.3 litre of Febmix Admix per 50kg of cement used. Scratch to form a key and, when set, apply a 6mm thick coat composed of 1 part of white of Portland Cement to 4½-6 parts clean, sharp, washed sand, plus the addition of 1.25kg of FEBTONE Colour per 50kg of cement used. Finish with a textured or wood floated surface.

Granolithic Pavings:

Lay paving at a minimum thickness of 18mm composed of 2 parts to 6m to 3mm granite chippings (no dust) to ½ part of clean, sharp, washed sand to 1 part of cement, plus the addition of 1.25kg to 2.5kg of FEBTONE per 50kg of cement used. Gauge paving material as stiffly as possible and trowel to a finish on the day of laying.

When pavings are laid at a thickness of 36mm or more, the FEBTONE Colour can be incorporated through the top 12mm only, providing that both coats are laid to form a monolithic topping.

Sand and Cement Pavings:

Lay paving at a minimum thickness of 18mm composed of 2½ parts of concreting sand to 1 part of cement, plus the addition of 1.25kg to 2.5kg of FEBTONE Colour per 50kg of cement used.

Roughcast:

Apply scratch coat at a thickness of approximately 9mm composed of 1 part Portland Cement to 4½ parts of clean, sharp, washed sand plus 0.3 litre of Febmix per 50kg of cement. When set, apply the coloured coat on to which the pebbles are dashed. This coloured coat should be applied at a thickness of approximately 6mm and composed of 1 part Portland Cement or white cement to 4½ parts of clean, sharp, washed sand, plus the addition of 1.25kg to 2.5kg of FEBTONE per 50kg of cement used.

Structural and Pre-Cast Concrete:

Compose concrete to mix specified (usually 1:2:4) and mix to 1.25kg to 2.5kg of FEBTONE per 50kg of cement used.

When colouring roads and pathways, form two monolithic layers with the top 24mm coloured only. Natural stone shades can be formed in pre-cast and reconstructed stone work, but owing to the strong staining power, only small quantities of FEBTONE need to be added.

Brickwork:

Permanent coloured joints in brickwork can be formed by incorporating FEBTONE in the bedding mortar or by pointing after erection.

For bedding mortar, FEBTONE colours can be incorporated with 1:1:6 or 1:2:9 cement/lime/sand mortars, or in a mortar mix of from 1:4 up to 1:6 cement and sand mortars at the rate of 1.25kg to 2.5kg of FEBTONE per 50kg of cement used.

In addition to colouring, FEBTONE will also improve the plasticity of the mortar and will increase strength and resistance to the passage of water.

For pointing work, FEBTONE can be used at the rate of 1.25kg to 2.5kg per 50kg of cement in either cement/lime/sand, or cement and sand mortars.

Dry shake method for slabs/patterned concrete:

Instead of colouring the complete mass of concrete, just the top 4-5mm may be coloured. Mix a 'dry shake' mix, which consists of 1 part FEBTONE, 2 parts cement and 2 parts sand. Once the surface sheen has gone from the concrete, this is either handcast or sprinkled onto the surface with a sieve and then trowelled in. Generally 1.25kg of FEBTONE will cover 2-4 square metres of concrete using this method.

Dosage Rate:

The six standard shades of FEBTONE are Rich Marigold, Natural Green, Rich Yellow, Autumn Brown, Tile Red and Black. To obtain these colours in concrete and cement work, the FEBTONE colour is mixed at the rate of 2.5kg per 50kg of Portland Cement, the following shades are formed:

1.25kg of Rich Marigold forms	Buff
1.25kg of Natural Green forms	Light Green
1.25kg of Rich Yellow forms	Yellow
1.25kg of Autumn Brown forms	Light Brown
1.25kg of Tile Red forms	Brick Red
1.25kg of Black forms	Grey

If used with white cement for wall rendering work, the following pastel shades can be formed by using 1.25kg of FEBTONE Standard Colours per 50kg of white cement.

1.25kg of Rich Marigold forms	Orange
1.25kg of Natural Green forms	Pastel Green
1.25kg of Rich Yellow forms	Straw Yellow
1.25kg of Autumn Brown forms	Russet Brown
1.25kg of Tile Red forms	Cottage Pink
1.25kg of Black forms	Blue Grey

At 1.25kg per 50kg cement, a 1.25kg box will colour 1.5 square metres of 100mm thick concrete.

Packaging:

FEBTONE is available in 6 colours and in 1kg containers or 25kg sacks.

Storage:

Store in dry conditions