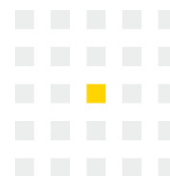
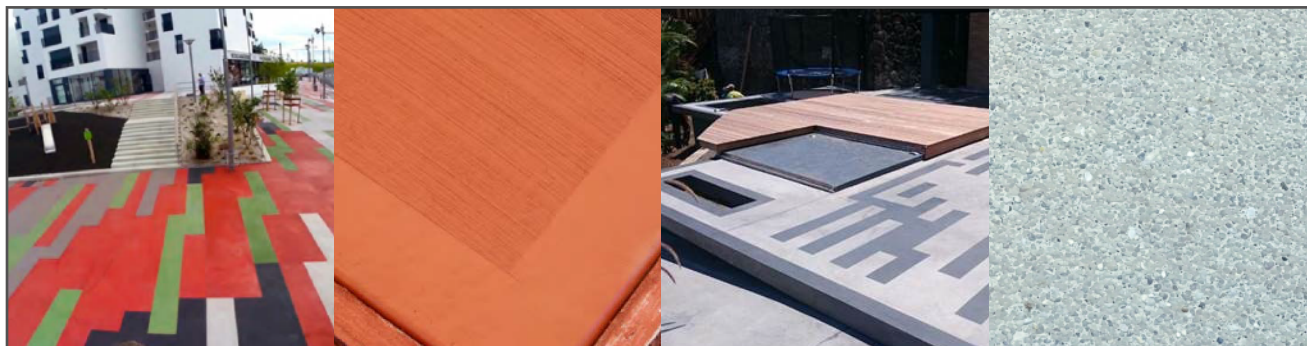


# Technical data sheet



## For Decorative Concrete finishes



### Description

CHRYSO® Texture Top is a blend of exclusive selected dry powders containing portland cement, minerals and additives.

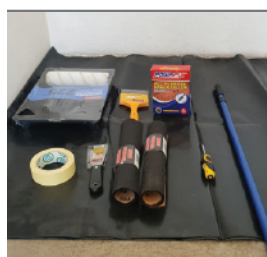
- CHRYSO® Texture Top is a polymer modified cementitious base coating which could be projected with a spray hopper gun or applied by trowel to obtain a smooth finish or a textured finish using a broom or similar.
- This technique allows coverage of large surfaces in a short time, approximately 200 m<sup>2</sup> per day on average.
- The system may be pigmented in order to obtain different colours to compliment various finishes.
- We thus obtain different finishes: orange skin, crushed with the help of a trowel (glazed appearance).
- Searching for a modern and trendy decorative look, CHRYSO® Texture Top allows for a customized solution.

### Advantages

- Easy to apply.
- Aesthetic range of finishes.
- Exposed aggregate surface optional.
- Wide range of architectural features.
- Warm earth colour range.

### Properties

- Liquid - Powder ratio: 0.270 mℓ of polymer 21 per 1kg powder
- Flow on Drop table: 255 mm no dropping (BS EN 1015-3)
- Wet density: 1927 kg/m<sup>3</sup>
- Approximate Yield: 25 kg powder + 6.8 ℓ polymer 21 = 16.5 ℓ i.e. 16.5 m<sup>2</sup> at 1 mm thick
- UV stable.
- Stain resistant subject to sealer selection.
- Quick drying, reduces turn-around time.
- Excellent mechanical properties.
- Excellent adhesion.
- Excellent abrasion properties.
- May be used internally or externally.



Tools for primer

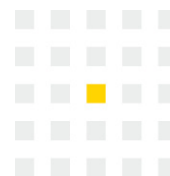


Tools for mixing and application



Helical stirrer

# Technical data sheet



## For Decorative Concrete finishes

### Application Guidelines

#### Use

- Swimming pool decks.
- Terraces.
- Paths & sidewalks.
- Driveways.
- Patio's.
- Framed/stencil patterns.
- Commercial building centres.
- Domestic areas.
- Sprayed applications.
- On new and old sound concrete slabs or cement screeds.
- Exposed aggregate finishes optional.

#### Surface Preparation

- Ensure all surfaces are clean and sound, free of oil, loose paint and contaminants that may impair the bonding properties of the product.
- Ensure that surfaces are ground to a smooth finish and free of dust and dirt.
- Any sharp protruding points need to be ground off as these will reflect through the product due to the thin product application thickness.
- The surface needs to be pre-wetted to obtain an SSD condition (surface saturated dry, no free water present) prior to applying the product.

#### Approximate Coverage - (Mixed Product)

- First coat:  $\pm 850 \text{ g/m}^2$  ( $\pm 0.440 \text{ mm}$ )
- Second coat:  $\pm 2 \text{ kg/m}^2$  ( $\pm 1.0 \text{ mm}$ )
- The second coat is utilised for a broom or full spray cover.

- The total maximum application rate must not exceed 2 mm.
- Application rates may vary subject to surface profile, irregularities and absorption rates.

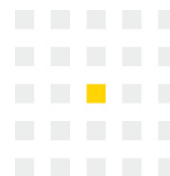
#### Mixing

- CHRYSO® Texture Top must be mixed with CHRYSO® Polymer 21.
- CHRYSO® Texture Top can be coloured by adding micronized iron oxide pigments but not exceeding 5% of the powder component by weight.
- It is recommended to air the powder before mixing.
- Add 270 ml of CHRYSO® Polymer 21 to 1 kg CHRYSO® Texture Top or 6.75 l of CHRYSO® Polymer 21 to 25 kg of CHRYSO® Texture Top.
- **Warning:** When mixing, first pour 80% of CHRYSO® Polymer 21 into a clean mixing vessel, whilst stirring, slowly add CHRYSO® Texture Top powder to the mix and thoroughly mix until a smooth lump free homogenous mix is obtained, thereafter add the 20% balance of the CHRYSO® Polymer 21 and thoroughly mix to obtain the required consistency. Use a helical type mortar mixer.

#### Priming

- Apply CHRYSO® Polymer 21 to the surface by brush or short nap roller and allow to dry.
- Coverage approximately  $7 \text{ m}^2/\text{litre}$ , two coats may be required subject to the surface profile and porosity.
- Do not allow ponding or pooling of the primer.

## Technical data sheet



### For Decorative Concrete finishes

#### Application

- First start by wetting substrate using a micro-fibre mop.
- To the prepared, SSD surface (surface saturated dry - having no free water on the surface) apply **CHRYSO® Texture Top** to the surface and finish off as required.
- The total application thickness must not exceed 2 mm. Should greater thicknesses be required, multiple layers may be applied, after light sanding and cleaning, the preceding layers must be dry.
- Should a mixed batch in the mixing vessel dry do not re-temper the mix, it is recommended to discard and prepare a fresh batch.  
Applying **CHRYSO® Texture Top** can be undertaken using different techniques:
  - Metal edge squeegee: ideal to treat wide surfaces for the first coat.
  - Trowel: This technique enables a burnished surface effect.
  - Magic Trowel: The extra-smoothing coating trowel will reduce a burnished surface effect. However, the product consumption may be higher. If required lightly spray **CHRYSO® Poly Densifier** over the surface to aid in finishing.
  - Spray application: For spray applications, typically using a spray hopper gun, you may need to add additional **CHRYSO® Polymer 21** to the **CHRYSO® Texture Top** powder to obtain the required consistency. The amount to be added must be tested as this will be a function of air pressure, nozzle size and finish required.

#### Sealing

- A choice of sealers offered, water based, solvent borne and 2K systems.
- The choice of sealer will depend upon the end use of application and environment the product is exposed to.
- This may include general or chemical resistant properties required of the finish.  
Always do a test sample of the sealer to ascertain the outcome as solvent borne sealers generally offer a darker finish opposed to a water borne sealer. Sealer types are indicated under MAINTENANCE below.

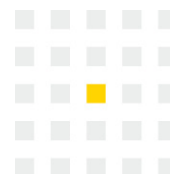
#### Colour

- Standard available colours:
  - Silica, Dune, Pebble, Cobble, Sandstone, Terracotta, Limestone and Ash.
  - Other colours may be added to achieve the desired outcome, do not exceed 5% by weight of the **CHRYSO® Texture Top** powder content.
  - Only use micronized pigments.

#### Exposed Aggregate Finish

- **CHRYSO® Deco Wash Pico** is a surface retarder that can be sprayed to lightly retard the concrete surface setting. The finished look obtained has a "sanded" or "acid washed" aspect.
- **CHRYSO® Deco Wash Pico** provides a qualitative and consistent finish.
- It must be uniformly sprayed onto the surface of the fresh concrete. Washing off is usually done within 24 hours after pouring.
- Approximate consumption: 5 m<sup>2</sup> per ℓ.
- Refer to **CHRYSO® Deco Wash Pico** data sheet for additional information.

# Technical data sheet



## For Decorative Concrete finishes

### Maintenance

- CHRYSO® Texture Top surfaces must be coated with an appropriate sealer. The condition of the sealer is to be examined periodically in order to determine whether there is any need for an additional wax or sealer coating.
- If the site is regularly cleaned, there may not be any need for a new coat of sealer for several years.
- Refer to the sealer product data sheets typically: CHRYSO®FiniSol Brut, CHRYSO®FiniSol Perle, abe.®cote PUD clear, matt or gloss abe.®cote 222 acrylic gloss sealer.
- Consult your local CHRYSO/a.b.e.® representative for information on other sealers if required.

### Cleaning of Equipment

- Tools, brushes and mixing equipment should be cleaned with water immediately after use and before material has set.
- Hardened material can only be removed by mechanical means.

### Protection on Completion

- Ensure that CHRYSO® Texture Top is not subjected to rain or draughts during the first 24 hours of curing as this may lead to dissolving of the polymer leaving white marks and/or cracking and crazing.
- Tape up doorways with polythene if necessary, to prevent air movement during application.
- Subsequently ensure the room has sufficient ventilation to allow the overlay to dry.
- Ensure adequate protection from other trades and traffic after installation, this includes the primer which must be free of dirt and dust before applying the overlay, prevent contamination by following trades e.g. plastering, including water spillage.

### Temperature & Relative Humidity

- Internal air and floor temperatures must exceed +5 °C.

### Packaging

#### CHRYSO® Texture Top:

- 5 kg plastic bucket (code: 91490 005)
- 25 kg plastic bucket (code: 91490 025)

#### CHRYSO® Polymer 21:

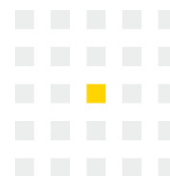
- 5 l jerry can (code: 91405 005)
- 25 l jerry can (code: 91405 005)

### Storage

- CHRYSO® Texture Top must be stored in a cool dry place.
- Lids of buckets must be tightly closed.
- CHRYSO® Texture Top has 12 months shelf life provided the product is sealed and protected from humidity.



## Technical data sheet



### For Decorative Concrete finishes

#### Health and Safety

- Keep out of reach of children.
- Avoid contact with skin and eyes.
- Wear appropriate protective equipment and clothing.
- Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information.
- For more information, please refer to the material safety data sheet.

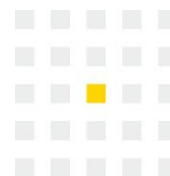
#### Warning

**CHRYSO® Texture Top** is meant for use by trained and experienced professionals. Manufacturer's instructions must be strictly followed. Use of product on any worksite lies outside manufacturer's control and responsibility. Should a product however seem to be defective in spite of every care taken by the manufacturer, the manufacturer will only be held responsible for the cost of replacement of defective product. It is the responsibility of the person applying the product to determine suitability of use of product prior to application and to bear any risks sustained from any erroneous prior analysis or use. Before proceeding to any application, please refer to the systems and process technical information.



The information contained in this document is given to the best of CHRYSO's knowledge and is the result of extensive testing. However, this document will not under any circumstances be considered as a warranty involving CHRYSO's liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. CHRYSO specialists are at the disposal of the users in order to help them with any problems encountered.

## COLOUR CHART



### For Decorative Concrete finishes

These colours are provided as a guidance only and exact colour matches will be dependent on the surface condition.

