



Specification for

IDEAL WORK STENCILTOP® PATTERNED THIN BED CONCRETE

To be read with Preliminary/General Conditions

Types of finish	
Drawing reference	
Location/project	
Product Reference	Ideal Work Stenciltop Patterned Concrete created using Ideal Binder®, Ideal Colour Hardener®, Ideal Stenciltop® stencils and Ideal Sealers®.
Manufacturer Ref.	Ideal Work S.R.L, Via Kennedy 52, 31030 Valla Di RiesePioX (TV) Italy Tel: +39 0423 4535 Website: www.idealwork.com

PROPRIETARY THIN BED FINISH STENCILTOP PATTERNED FINISH TO EXISTING CONCRETE SUBSTRATES

1 SUB-BASE PREPARATION /FEATURES

1. The concrete base to receive the overlay must have a compressive strength of at least 25 N/mm² and a surface strength (Pull-Test) of the surface must be at least 1.5 N/mm². The surface must be prepared by previous etching, milling, grit blasting or high- pressure washing etc.... to create a mechanical key. The surface to receive IDEAL STENCILTOP® must be free of all dirt, stains, oils, adhesives, previous sealers and other contaminants. All surfaces must be thoroughly washed and cleaned before application by air pressure washer, mechanical brush and IDEAL OPEN® acid solution to open the pores (10 litre container, coverage approximately 30 ml/m²). This should be done at least one day before the placement of the IDEAL STENCILTOP® topping. If the existing surface is particularly dirty we recommend using IDEAL STRONG® which is an aggressive and powerful detergent for cement based substrates.
2. All cracks should be repaired to avoid transference through the topping, and the surface left uniform and rough or porous. We recommend IDEAL EPOXY COAT® for such repairs. The prepared surface must be clear of any standing water, although it can still

remain damp when **IDEAL STENCILTOP®** base coats applied, to limit water absorption from the bonding material by a dry substrate.

3. **MOVEMENT JOINTS:** In the case of overlayment application, ‘fresh on hardened’, the existing joints must be mirrored through to the new surface. Joints must be cut as soon as possible to avoid the risk of ‘plastic’ shrinking.

2 IDEAL STENCILTOP® base coat APPLICATION

1. First mix **IDEAL BINDER®** thoroughly for at least 2 minutes. Then add an equal part of cold water (1:1), close the container and keep in a cool place (above 5 degrees C). Add 6 litres of this mix to 25 kg’s of **IDEAL COLOUR HARDENER®** in the chosen colour and mix with a mortar mixer for at least 2 minutes. To improve workability, if required, the mix may be made thicker or thinner by the introduction of **IDEAL BINDER®**.

3 IDEAL STENCILTOP® paper stencil APPLICATION

1. Once the base coat is dry, it is possible to stick the chosen pattern of stencil to the surface using double sided tape or plasticine. Note that the consumption of the stencil (available in 100 metre rolls) will vary with pattern and design.

4 IDEAL STENCILTOP® finish coat APPLICATION

1. First mix **IDEAL BINDER®** thoroughly for at least 2 minutes. Then add 2 parts of cold water (1:2), close the container and keep in a cool place (above 5 degrees C). Add 6 litres of this mix to 25 kg’s of **IDEAL COLOUR HARDENER®** in the chosen colour and mix with a mortar mixer for at least 2 minutes. To improve workability, if required, the mix may be made thicker or thinner by the introduction of **IDEAL BINDER®**. As a guide, 6 litres of liquid mixed with 1 x 25 kg bucket of colour hardener will produce sufficient material to cover approximately 10 m².
2. Spray apply the mixture to the base coat surface by use of a hopper gun connected to a compressed air supply.
3. Before the surface starts to dry completely, remove the paperstencil from the slab. Clean the surface with a brush and air compressor. **DO NOT WASH WITH WATER.**

4 SEALING/PROTECTIVE COAT

1. After 8-12 hours, apply a first coat of **IDEAL SEALER REGULAR®**. Once this has dried, apply a second coat.

5 PROTECTION OF FINISHED WORK

1. No foot or vehicular traffic must be permitted on the newly stenciled surface. Protect the stenciled concrete surface from damage throughout the remainder of the construction period until final acceptance of the work has been granted.



6 GENERAL REQUIREMENTS FOR WORKMANSHIP

Basic workmanship	Comply with the relevant clause of BS8000
Before commencement of work	The contractors must make themselves familiar with and have read the latest Technical Data Sheet for the products, available on the IDEAL WORK website www.idealwork.com
Control samples	complete sample areas, being part of the finished work, in approved locations and obtain Architect approval of appearance before proceeding: (2m ² of each type). Samples to be the sole responsibility of the applicator and should be made by site operatives carrying out main works.
Uniformity of colour and texture	Once samples of coatings have been approved, do not change type or proportion of constituent materials. Ensure that supplies and batch numbers of materials are sufficient and consistent to give uniformity of colour. Ensure uniformity of texture during application.
Admixtures	Do not use any admixtures other than those listed.
Guarantee	Rendering materials and workmanship guarantees should be submitted to Contract Administrator prior to work commencing on site.
	It is strongly recommended that this system be applied only by Ideal Work trained applicators