

1. Product Description

CCI-400 Stamp Mix provides a durable topping to use when a new finish is required on an existing finished surface. Designed to allow the flexibility to create a STAMPED surface it is also useful in creating a smooth surface for polishing. Repairing construction errors and restoring the finish of floors and hardscapes. Unify the appearance where old concrete meets new. Typical applications include industrial and residential projects in new construction and renovation.

CCI-400 Stamp Mix performs at depths of 3 mm (1/8 inch) to 10 mm (3/8 inch). It will compress to a 28 MPa (4000 pounds per square inch) over a 28 day curing cycle.

CCI-400 Stamp Mix is a proprietary blend of Cementitious and Polymer products that can be used in the Standard Grey or Standard White finish. Colouring agents, sold separately as colour packs or added during production, can be added to enhance the look of the finished product.

CCI-400 Stamp Mix, part of the CCI-400 Overlay family, offers high strength, flexibility of use, and has excellent resistance to Freeze/Thaw cycles. Simple to use, just add water and apply to the surface. Quick and Simple.

2. Coverage

CCI-400 Stamp Mix coverage area will vary based on the depth of the substrate surface profile and texture, preparation procedures, specific finish, and other conditions.

CCI-400 Stamp Mix 22.68 KG (50 Pound) will yield approximately 0.014 cubic meters (1/2 cubic foot) of mixed material.

CCI-400 Stamp Mix will cover approximately 2.4 square meters (24 square feet) at 6 mm (1/4 inch) depth.

3. Limitations

CCI-400 Stamp Mix is intended for use over nonmoving, structurally sound, properly prepared concrete substrates. Not all substrates are suitable for the installation of CCI-400 Stamp Mix, including concrete that is not fully cured or gypsum-based products of any kind.

CCI-400 Stamp Mix is not intended for use in areas where, there is metal wheeled vehicular traffic, hydrostatic pressure, active water leaks, or continuous water immersion.

As with most cementitious products, cracks or joints in the substrate will reflect through the CCI-400 Stamp Mix topping. The existing substrate joints must be extended up through the full depth of the topping by dry saw-cutting. The installation must be engineered to allow for expansion and contraction of both the substrate and CCI-400 Stamp Mix.

CCI-400 Stamp Mix must be applied from a minimum of 3 mm (1/8 inch) to 10 mm (3/8 inch) thick. Select the required depth based on the texturing or imprinting tools required for the finish. Abrasion resistance and durability increase with CCI-400 Stamp Mix thickness.

Badly scarred substrates must be repaired using a concrete repair material like CCI-400 Bond Coat. Proper procedures must be utilized when making concrete repairs. Refer to American Concrete Institute (ACI) or International Repair Institute (ICRI) standards for proper concrete repair procedures.

CCI-400 Stamp Mix installations must take place when air and substrate surface are between 7 – 32° C (45 - 90° F). Ideal temperature of the substrate and mixed material for ease of installation is 21° C (70° F).

Do not install CCI-400 Stamp Mix if the temperature is expected to drop below 7° C (45° F) or if rain is expected within 24 hours of placement.

Refer to section 16. Hot Weather Installation if the air or substrate temperature will exceed 27° C (80° F).

4. Applicable Standards

Professional standards and practices, including those published by the American Concrete Institute (ACI), the International Concrete Repair Institute (ICRI) and the Portland Cement Association (PDC) should be followed.

5. Colours

Concreation Canada CCI-Colour Packs are available in as displayed on the CCI-100 Colour Hardener Colour Chart. Colour Packs are added to the dry mix. Not all Colour Packs are inventoried. Please call for availability.

With sufficient prior notification, CCI-400 Stamp Mix can be designed and manufactured with your requested colour ready for mixing and application.

When using CCI-400 Stamp Mix with stamping, imprinting, and antiquing using CCI-300 release Agents, experimentation is required to produce the proper combination of colours to achieve the desired effect.

6. Storage and Shelf Life

Under normal conditions and when kept out of direct sunlight, dry and moisture free. The shelf life of Concreation Canada CCI-400 Stamp Mix is 12 months from date of manufacture. The shelf life of Concreation Canada CCI-Colour Packs is 2 years from the date of manufacture. Storage must be under roof and off floor. Inventory must be rotated to maintain product within its shelf life limits.

7. Sizes

Concreation Canada CCI-400 Stamp Mix is available in 22.68 Kilo (50 pound) bags. Concreation Canada CCI-Colour Packs contain 0.5 Kilo (1 pound) of colouring material.

8. Cautions

WARNING!

HARMFUL IF INHALED. IRRITATING TO EYES AND SKIN. MAY CAUSE DELAYED LUNG INJURY (SILICOSIS). DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. CONTAINS CEMENT AND SILICA (QUARTZ)

Cancer hazard. Contains Silica (Quartz) which can cause cancer. (Risk of cancer depends on duration and level of exposure.) Use only with adequate ventilation. Do not breathe dust. Wet cement may cause alkali burns. Avoid contact with eyes, skin, and clothing. Wear dust (particulate) respirator, safety goggles, and gloves. Follow respirator manufacturer's directions for respirator use.