

1. Product Description

CCI-400 Parge Mix provides a durable topping to use when a new finish is required on an existing finished surface.

CCI-400 Parge Mix is a proprietary blend of Cementitious and Polymer products that can be purchased in Beige, Grey, Red, and White colours. Colouring agents, sold separately as colour packs or added during production, will enhance the look of the finished product.

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

2. Colours

Concreation Canada CCI-Colour Packs are available 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 Parge Mix can be designed and manufactured with your requested colour ready for mixing and application, minimum quantities may apply.

3. Mixing Ratio

Empty contents of bag into a mixing container.

3.00 Liters (2.60 quarts) of clean water to 22.68 Kilos (50 pounds)

1.50 Liters (1.30 quarts) of clean water to 11.34 Kilos (25 pounds)

0.75 Liters (0.65 quarts) of clean water to 5.67 Kilos (12.5 pounds)

of dry mix or enough to achieve a workable mix. Avoid a soupy mix.

4. Surface Preparation

Clean the surface with Concreation **CCI-750 Cleaner** to remove oil, grease, dirt or any other contaminants and etch the surface to provide a sufficient bond. **CCI-750 Cleaner** will also PH balance the surface.

5. Placing

Application to clean, sound, concrete blocks and poured concrete, proceed to Surface Preparation 1. Application on loose, unsound, or painted concrete and wood surfaces, proceed to Surface Preparation 2.

6. Surface Preparation 1

Application to clean, sound, concrete blocks and poured concrete. Thoroughly saturate the area to be parged and remove any free-standing water. Some very porous concrete may require several applications of water to ensure complete saturation. After mixing apply CCI-400 Parging Mix, by trowel, to a damp surface not exceeding 10 mm (3/8 inch) in thickness. If a greater thickness is required, rough-up surface with a coarse broom and allow to harden for 24 hours before repeating process.

7. Surface Preparation 2

Application on loose, unsound, or painted concrete and wood surfaces. Mechanically fasten galvanized diamond wire mesh to surface. Wood surfaces require 6.8 KG (15 lb) of asphalt-impregnated building paper under mesh. Dampen exposed concrete. After mixing, apply initial layer of CCI-400 Parging Mix, by trowel, level with

mesh surface. Rough-up surface with a coarse broom and allow to harden for 24 hours. Then, thoroughly saturate the area with clean water and apply a finishing layer to a damp surface not exceeding 10 mm (3/8 inch) in thickness.

8. Finishing

It is recommended to use a wood, magnesium or aluminum float trowel for a smooth surface. For a textured surface, use a broom or brush

9. Coverage

CCI-400 Parge 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 Parge Mix 22.68 KG (50 Pound) will yield approximately 0.013 cubic meters (1/2 cubic foot) of mixed material.

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

10. Technical Data

Initial Set:	10 to 30 minutes
Final Set:	90 to 110 minutes
Application Thickness:	3 mm (1/8 inch) to 10 mm (3/8 inch)
Compressive Strength: 28 Days	28 MPa (4000 psi)
Flexural Strength: 28 Days	9 MPa (1300 psi)

11. Packaging

22.68 Kilo (50 pound) Net Weight Bag

11.34 Kilo (25 Pound) Net Weight Pail

05.67 Kilo (12.5 Pound) Net Weight Pail

Store in a cool dry area. Do not leave bags exposed to sunlight, heat or moisture. Shelf Life of 1 Year if unopened.

12. Limitations

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

CCI-400 Parge Mix is not intended for use as a waterproofing membrane or where it will be under continuous water immersion.

As with most cementitious products, cracks or joints in the substrate may reflect through the CCI-400 Parge 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 Parge Mix.

CCI-400 Parge 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 Parge Mix if the temperature is expected to drop below 7° C (45° F) or if rain is expected within 24 hours of placement.