

# FRONTIER DESERT DECK

## Procedure For Applying Frontier Desert Deck To Existing Concrete

**STEP 1.** Remove any loose material from the existing concrete.

**STEP 2.** Scrub the deck with Tri-Sodium Phosphate to remove any oils. Pressure wash to remove TSP.

**STEP 3.** Acid wash existing concrete while the deck is wet (never acid wash concrete when dry).

**STEP 4.** Pressure wash a second time.

**STEP 5.** Scrub the deck with Tri-Sodium Phosphate to neutralize the acid.

**STEP 6.** Pressure wash a third time.

**STEP 7.** Using a paint roller, roll two coats of Frontier Bonding Agent onto the deck. Let it dry between coats.

**STEP 8.** Let the second coat dry completely.

**STEP 9.** Dry mix 100# bag of white marble sand, 94# bag of white Portland cement and 1 unit of Frontier Desert Deck in a paddle type mixer. Cover the mixer when dry mixing.

**STEP 10.** Fill a bucket with 4-½ gallons of water.

**STEP 11.** Add water to the down stroke. This will produce a thick paste. Mix until color is thoroughly blended and no pure color smears are seen on the mixer wall.

**STEP 12.** Add 1-½ quarts of Frontier Bonding Agent to the mix in the mixer.

**STEP 13.** Let mixer turn only a few revolutions before adding approximately 3 gallons of water to bring the mix to a "Dash Consistency". This final water should be added to the satisfaction of the "Dash Man" to assure proper consistency.

**STEP 14.** Roll a fresh coat of Frontier Bonding Agent on to the deck just in front of the "Dash Man". **YOU MUST DASH FRONTIER DESERT DECK INTO WET BONDING AGENT WHEN APPLYING TO EXISTING CONCRETE.**

**STEP 15.** Frontier Desert Deck should be applied approx. ¼" to ⅜" thick to the concrete surface.

**STEP 16.** When the Frontier Desert Deck loses its water glaze, begin to trowel with the trowel held flat to achieve a 50% "flat to void" pattern. Do not exceed 50% on the flat portions as this can cause "craze cracks" on the flat spots.

**STEP 17.** Do not wet the decking to cure until the next day because it will cause the Frontier Bonding Agent to rise to the surface, leaving a white discoloration.

**STEP 18.** Once the Frontier Desert Deck has cured, apply Frontier Desert Seal (Do not apply same day).

### CALCIUM CHLORIDE

Many experienced contractors use Calcium Chloride to produce a higher "dash pattern".

The heat produced by Calcium Chloride causes the Frontier Desert Deck to "stand higher" when it is applied because the material is already trying to take a set. This method provides an easier texture to trowel (with a more uniform pattern) and does not affect the thickness of the finished product.

- A. Add 1-½ lbs. Calcium Chloride to the initial 4-½ gallons of mixing water and mix as described above.
- B. Cover the mixer with plastic sheeting to retain heat.  
(Between the heat produced by the chemical reaction of the Calcium Chloride and the heat created by friction, you should see a 15-degree temperature increase to the mix).
- C. Continue mixing as described above.
- D. Apply Frontier Desert Deck as described above and as quickly as possible because the Calcium Chloride is an accelerator.

**NOTE:** The addition of Calcium Chloride to the mix may cause a "bloom" (salt haze that rises to the surface during the cure process). Mix only one unit at a time when using Calcium Chloride.

**It is the responsibility of the applicator to determine the suitability of using Calcium Chloride as the advantages of the improved texture must be weighed against the necessity of a quicker application.**

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