

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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