



# Application Specification

# NEOTEX 28

## Purpose and Scope

Instructions for the application of Dex-O-Tex Neotex-28 over a prepared surface. Dex-O-Tex Neotex-28 is manufactured to meet the requirements of MIL-D-3134, Type II, Class 1.

**Thickness**.....1/4" (6.35 mm), 3/8" (9.53 mm) and 1/2" (12.7 mm)

## Approximate Quantity of Materials Required

To Cover ONE HUNDRED SQ. FT (9.3 sq. Meters)

	<u>Thickness</u>		
	1/4" ..... (6.35mm)	3/8" ..... (9.53mm)	1/2" ..... (12.7mm)
N-38 Paste (5-gal. can) .....	1.25 cans	1.65 cans	2.08 cans
Neotex-28 Powder (60-lb. Bag) .....	4.00 bags	6.00 bags	8.00 bags
Grout Powder (36-lb. Bag) .....	1.12 bags	1.12 bags	1.12 bags
AJ-44XL (1 or 5-gal. can).....	.70 gals.	.70 gals.	.70 gals.

## Surface Preparation

Metal deck surfaces should be cleaned free of rust, loose scale, and dirt. Grease and oil should be removed with approved solvents and clean rags. The resulting surface should be clean and bright and protected against corrosion before Dex-O-Tex materials are applied. Dex-O-Tex Neotex-28 may be applied to a cured Navy Formula 150 Primer, MIL-DTL-24441. Any leveling of the surface required in excess of 1/2" (12.7 mm) thickness should be filled with Dex-O-Tex Subkote #1 Underlayment (Military Spec. MIL-D-3134, Type I) Consult Crossfield Products Corp. when wood or other deck surfaces are involved.

## Required Equipment

- Rectangular Steel Trowel, (4" x 14") (10 cm x 35 cm)
- Dex-O-Tex Drill Mixing Equipment

- Drum-type floor sanding machine, mounting No. 1 (fine grit) and No. 1-1/2 (medium grit) closed-coat sandpiper
- Industrial vacuum cleaner or soft floor broom
- Calcimine brush
- Paint brushes or roller

## STEP ONE-Neotex-28 Application

A. Mix together the following materials to form Surface Wetting Mix:

N-38 Paste	2 gallons
Grout Powder	1 bag, (36 lbs.)

Blend the above materials together thoroughly by Dex-O-Tex Drill Mixing. Workability time is approximately 1 hour. The above quantity is sufficient to serve as a Surface Wetting Mix for 200 sq. ft. (18.58 m<sup>2</sup>).

B. Mix together the following materials:

N-38 Paste .....	1 gallon
Neotex-28 Powder.....	1 bag, (60 lbs.)

Blend the above materials together thoroughly by Dex-O-Tex Drill Mixing. Workability time is approximately 45 minutes. The above quantity is sufficient to cover approximately 25 sq. ft. (2.32 m<sup>2</sup>) in 1/4" (6.35 mm) thickness.

C. Trowel or brush the Surface Wetting Mix onto the area to be covered with Neotex-28 Mix. The Neotex-28 Mix must be troweled onto the Surface Wetting Mix application while the Wetting Mix is still wet. This is so the Neotex-28 forms a permanent bond with the under-surface. Trowel on the Neotex-28 Mix with a round sweeping motion, taking care that the preliminary strokes form the desired contour since the relatively quick setting of the material will not permit repeated trowelings. It is necessary to compress and "iron" the material using the trowel held almost flat. Care should be taken to develop a flat surface with the first finishing. Drying time for Neotex-28 is approximately 12 hours.



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D. If an especially smooth surface is specified, "trowel licks" should be removed by sanding with a disc-type floor sanding machine mounting medium grit sandpaper. Remove all dust from the surface.

## STEP TWO - Grouting

A. Mix together the following materials:

- N-38 Paste .....2 gallons
- Grout Powder .....1 bag, (36 lbs.)

Blend these materials together thoroughly by Dex-O-Tex Drill Mixing. Workability time is approximately 1 hour. The above quantity will cover approximately 320 sq. ft. (29.73m<sup>2</sup>) in one coat. Two coats of Grout will be applied, allowing drying time between coats.

B. The Neotex-28 surface which is to be grouted should be dry and vacuumed clean of dust. Apply Grout in a minimum thickness scrape troweling. Allow first Grout coat to dry for at least 4 hours, then follow with a second coat.

C. If an especially smooth surface is specified, all "trowel licks" should be sanded smooth with floor sanding machine mounting fine grit sandpaper.

## STEP THREE – Sealing

A. The Neotex-28 surface is to be vacuumed or swept clean of any dirt and dust. AJ-44XL Sealer should be applied in two coats. The sealer should be stirred thoroughly and kept stirred during use. Each gallon of AJ-44XL Sealer will cover approximately 150 sq. ft. (13.94 m<sup>2</sup>) in two coats. The sealer may be applied with a brush or paint roller and should be spread on liberally. Drying time for each coat is approximately 4 hours. This sealer will leave a flat finish with a generally uniform color.

B. For interior areas where a glossy surface is desired, consult Crossfield Products Corp. for recommendations.

## Cautions

1. Before opening packages or applying materials, obtain, read and observe MSDS for the products.
2. Do not allow the Paste to freeze. If Paste is frozen, allow it to thaw out slowly at room temperature. Do not heat to speed up rate of thaw. Freezing may coagulate the Paste. Do not apply Neotex-28 in freezing weather.
3. Do not store the Paste near a heater or in any area where it might become heated above 90°F.
4. Do not apply Neotex-28 on a hot sub-surface.
5. Do not install if the temperature is under 50°F in the area.
6. Do not allow Dex-O-Tex materials to harden on tools and equipment. Fresh water will clean tools immediately after using.



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