



REMR MATERIAL DATA SHEET CM-SE-1.58

CONCRETE SEALER: STIFEL

1. NAME

Stifel

2. MANUFACTURER

Nox-Crete Chemicals, Inc.
20th & Williams Streets
Omaha, NE 68108
Telephone: 402-341-2080

3. DESCRIPTION

Stifel is a penetrating silane sealer.

4. USES

Stifel is a deeply penetrating sealer for waterproofing concrete and protecting steel reinforcement from corrosion.

5. MANUFACTURER'S TECHNICAL DATA

Bulk density	7.5 lb/gal
Viscosity @ 38 °C ASTM D 88	33 sec SUs
Pour point ASTM D 97	-32 °C
Flash point ASTM D 92	41.2 °C
Color ASTM D 1500	<0.5

6. MANUFACTURER'S GUIDANCE FOR APPLICATION

Proper application rate for Stifel is saturation to point of rejection (80 to 150 sq ft/gal depending on porosity). This can be accomplished on horizontal surfaces by flood and squeegee or broom or by low pressure spray apparatus equipped with coarse nozzle orifices, followed by distribution with broom.

7. CORPS OF ENGINEERS' EVALUATION (tested as concrete sealers only)

Physical and mechanical properties:

Percent solid
(ASTM D 1644, Method A): 0.25%

Percent moisture absorption
(ambient temp) (ASTM C 642-82):

1 day	0.25%
2 days	0.40%
4 days	0.62%
7 days	1.00%

Ratio of percent moisture absorption for treated to nontreated specimen (2-day submersion): 8.51%

Percent vapor transmittance (see REMR Technical Note CS-ES-1.8):

2 days	0.38%
4 days	0.63%
7 days	0.92%

Ratio of percent vapor transmittance for treated to nontreated specimen (2-day diffusion): 23.8%

8. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets must be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.