



REMR MATERIAL DATA SHEET CM-SE-1.62 CONCRETE SEALER: THOROCLEAR 777

1. NAME

Thoroclear 777

2. MANUFACTURER

Thoro System Products, Inc.
7800 N.W. 38th Street
Miami, FL 33166
Telephone: 305-592-2081

3. DESCRIPTION

Thoroclear 777 is a clear, silicone-based, water repellent for invisible protection of most types of above-grade brick and concrete surfaces, except limestone.

4. USES & LIMITATIONS*

Uses: Thoroclear 777 protects brick, concrete, cement plaster, stucco, artificial stone, field stone, terra cotta trim, clay tile, cement paint, asbestos shingles and siding.

It is formulated for deep penetration, is unaffected by surface abrasion, minimizes efflorescence and allows walls to breathe. It is available in liquid form for application by brush or low-pressure spray.

Limitations: Do not use Thoroclear 777 on limestone, granite or damp surfaces.

5. MANUFACTURER'S TECHNICAL DATA

For technical data, contact manufacturer at address listed above.

Packaging: 1-gal, 5-gal and 55-gal containers.

6. MANUFACTURER'S GUIDANCE FOR APPLICATION

Surface preparation: Surfaces to be treated should be clean, free of stains and efflorescence, dry, sound and in good repair. Tuckpoint any loose or defective mortar joints. Completely flood entire surface with Thoroclear 777 so that there is a run-down of at least 6 to 12 in. (15-30 cm). Low-pressure spray applications are preferred, but brushing is acceptable. Do not use high-pressure spray. Allow 24 hr between coats. All adjacent surfaces and shrubbery should be protected. Thoroclear 777 should not be applied on surfaces which have been wet or rained upon during the 4 preceding days or if rain is anticipated within 2 hr of application. New mortar must be at least 30 days old. If walls cannot be thoroughly dried out and dampproofing is deemed necessary, allow 4 days for surface drying and then apply first coat. Apply second coat when wall thoroughly dries.

Coverage: Thoroclear 777 should be applied in two coats with total coverage at 60 to 80 sq ft/gal depending upon the porosity of the surface. On very dense surfaces, 150 to 200 sq ft per gal will be covered.

* Manufacturer's Catalog No. 17 4/85

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

Physical and mechanical properties:

Percent solid
(ASTM D 1644, Method A): 5.5%

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

1 day	0.32%
2 days	1.11%
4 days	3.58%
7 days	4.79%

Ratio of percent moisture absorption
for treated to nontreated specimen
(2-day submersion): 23.6%

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

2 days	1.70%
4 days	2.35%
7 days	3.00%

Ratio of percent vapor transmittance
for treated to nontreated specimen
(2-day diffusion): 106%

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.