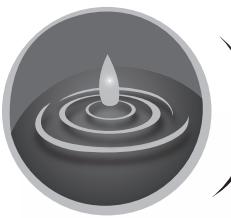
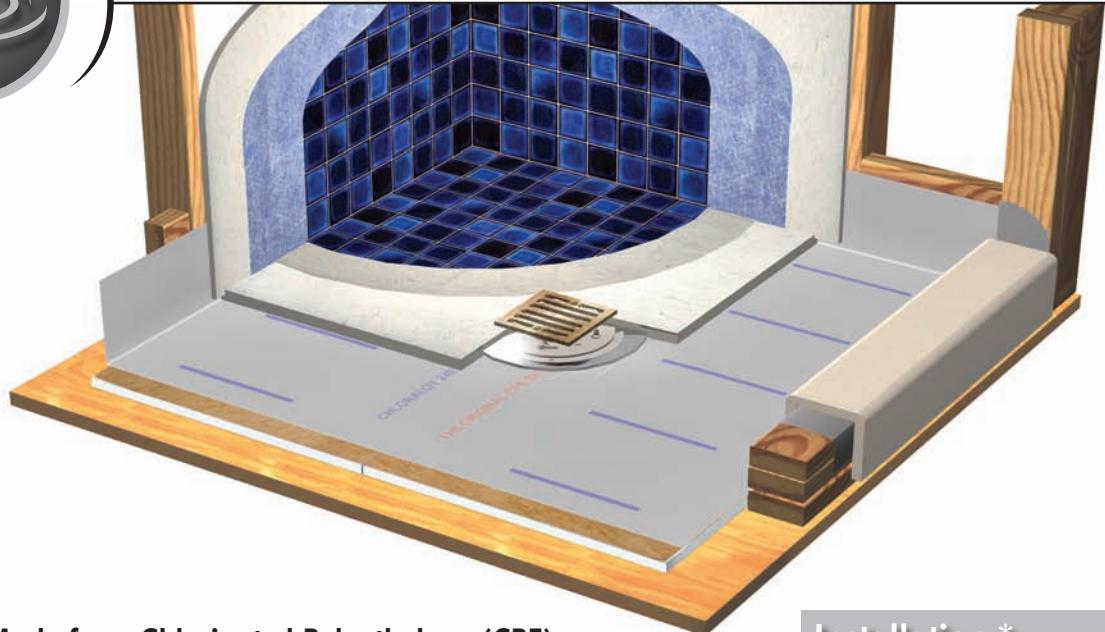


Chloraloy®

Shower Pan Liner



A waterproofing membrane used under a full mortar bed installation of ceramic tile, dimension stone or terrazzo tile.



- **Made from Chlorinated Polyethylene (CPE)**
 - Will not rot, crack or rust
 - 40 years of proven performance
- **Absolute waterproofing**
 - Water vapor transmission rate of .040 perms (ASTM E 96, Procedure E)
- **Saves Time - No curing**
 - Flood test in minutes
- **The Industry Standard**
 - Meets IPC and UPC requirements
- **Warranted for life**

Installation:*



1. Install Chloraloy allowing for upturns - exact measurements not required.



2. Fold corners and fasten upturns to studs.



3. Completed in minutes.

* CAUTION: Read complete installation instructions prior to installing.



Simple Solutions... Proven Performance

www.noblecompany.com



Form #CHL PD 07/07
Supersedes #CHL 07/06

Chloraloy Product Description

APPLICATIONS

Shower pans, Roman tub liners, steam rooms, toilet rooms, hydrotherapy rooms, reflecting pools, fountains and planters.

HOW TO SPECIFY

Specify in Division 9 or Division 15 • Where required, provide Chloraloy, a sheet membrane manufactured from Chlorinated Polyethylene (CPE), with a nominal thickness of 1.0mm (.040"). Sheet shall meet the requirements of ASTM D 4068, IPC, and IAPMO (UPC File #3046).

COMPOSITION & MATERIALS

Chloraloy is manufactured from CPE, a non-plasticized elastomer.

PRODUCT DIMENSIONS

- 1.2m x 15.2m = 18.6m² (4' x 50' = 200 sq. ft.)
- 1.5m x 12.2m = 18.6m² (5' x 40' = 200 sq. ft.)
- 1.8m x 10.1m = 18.6m² (6' x 33-1/3' = 200 sq. ft.)
- Nominal thickness is 1.0mm (.040").

TEST DATA - Based on 40 Mil Unsupported Sheet

PROPERTY	TEST METHOD	UNITS	SPECIFICATION	TYPICAL VALUE
Tensile Strength	ASTM D 412	psi	1200 (min)	1200
Percent Elongation	ASTM D 412	%	400% (min)	450
100% Modulus	ASTM D 412	psi	400 (min)	850
Tear Resistance	ASTM D 1004	lb/in	175 (min)	265
Shore A Hardness 5 second interval reading	ASTM D 2240	points	75 ± 10	75
Hydrostatic Head Section 615.5	FHA 4900.1		no moisture penetration	pass at 2 ft.
Water Vapor Transmission Rate	ASTM E 96E	perms	0.090	0.040
Shrinkage	ASTM D 1204	%	5% (max)	2.5
Low Temperature Flexibility at -25°F	ASTM D 2137		no cracking or breaking	pass
Accelerated Aging	ASTM D 794			
Aged four weeks at 212°F in forced convection oven				
a. Elongation Change		%	± 15% (max)	-2.40%
b. Weight Change		%	± 2% (max)	+0.50%
Chemical Resistance immersed in U.S.P. Mineral oil	ASTM D 543			
a. Elongation Change		%	± 15% (max)	-0.50%
b. Weight Change		%	± 2% (max)	+0.50%
Microorganism Resistance (90-day soil burial)	ASTM D 4068-86 Annex 1			
a. Elongation Change		%	± 15% (max)	-0.50%
b. Weight Change		%	± 2% (max)	+0.10%

LIMITATIONS: Tile cannot be bonded directly to Chloraloy. A mortar bed should be installed over Chloraloy. Chloraloy is not designed for prolonged exposure to direct sunlight.

NOTE: Chloraloy must be installed in compliance with local building codes, appropriate ANSI Standards, and TCNA recommendations. See installation instructions for more details. Contact Noble Company for other information.

WARRANTY

Chloraloy brand CPE membrane is guaranteed for the life of the original installation by Noble Company against failure caused by rotting, cracking and microorganism deterioration when properly installed in concealed construction waterproofing and applications for which its use is recommended by Noble Company. This warranty is limited to the replacement of defective material and freight charges to destination only. There are no other expressed or implied warranties, and this warranty is in lieu of any other warranty, including, but not limited to, implied warranties of merchantability and fitness for purpose. Noble Company is not responsible for consequential damages. The remedy of the purchaser set forth herein is exclusive.

DETAILS

