

# COMPOSEAL GRAY 40 MIL PVC

**FOR WATERPROOFING UNDER TILE/STONE INSTALLATIONS AND  
PROTECTS FROM COSTLY SECONDARY WATER DAMAGE**

## **DESCRIPTION:**

Compotite has been manufacturing shower pans since 1938. Composeal Gray 40 Mil PVC Shower Pan Liner is the first and original standard for shower pan liners, which was developed to provide durable protection and be easy to handle and install.

- ◇ Flexible Waterproofing for Floors & Walls
- ◇ Custom Tiled Showers, Baths, Fountains, Roof Decks, Terraces, Exterior Stairs & Walkways
- ◇ Easily Formed to Fit Any Dimensions or Drain Location
- ◇ Durable and Long Lasting
- ◇ Ideal for New Construction & Renovations
- ◇ Economically Priced
- ◇ 50% Recycled Content
- ◇ 40 mil Thickness
- ◇ Available in 5 & 6 foot widths
- ◇ 50 & 100 foot rolls
- ◇ Meets and surpasses ASTM D4551 for PVC flexible waterproofing membrane
- ◇ Made in the USA

#### RELATED PRODUCTS FOR INSTALLATION

##### SEAM WELDING

Composeal Gray sheets can be welded together to create a perfect waterproof bond with instant contact strength using **Compotite's Weld-Tite Flexible Vinyl Cement**.

##### CORNERS & CURB PROTECTORS

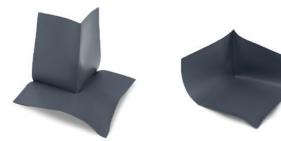
Composeal Gray 40 Mil PVC corners are multi-purpose, preformed corners/curb protectors that reinforce waterproofing at all corners and curbs. Use Weld-Tite Flexible Vinyl Cement to weld corners to PVC sheet.

##### SEALANT

**Compotite Elastiseal Pro** is used to bond Composeal Gray 40 mil PVC to the sub-drain assembly. **DO NOT use Elastiseal Pro to weld PVC sheets together.**



Compotite's Weld-Tite Flexible Vinyl Cement



Composeal 40 Mil PVC Corners and Curb Protectors



Compotite Elastiseal Pro

#### TECHNICAL DATA

Identification of the Substance/Company		
Trade Name:	Composeal Gray 40 MIL PVC	
General use:	For Waterproofing under 'Thick Bed' Tile Installations Protects from costly Secondary Water Damage	
Manufacturer Identification:	Compotite 730 Mooney Street, Bartow, Florida 33830 1-800-221-1056	
Engineering Properties	ASTM D 4551 Specifications	Composeal Test Results
	<b>Grade 40</b>	<b>40 MIL</b>
Thickness, Inches	.040"	.042"
Tensile Strength, lbs/in width	80-lb min	113 lb (2700psi)
Tensile Strength at 100% elongation	40-lb min	57 lb
Ultimate Elongation before breaking	300% min	400%+
Tear Resistance, lbs/in. width	250-lb min	263 lb
Pinholes	None	None
Micro-Organism Resistance (fungus, mildew, mold)	No Growth	No Growth
Chemical Resistance		
Distille H2O % wt. change*	1% max	+0.4%
Distille H2O % wt. change*	2% max	+0.3%
Alkali, pass/fail (hydrostatic)	Pass	Pass
Shrinkage, dimension change at 158° F ASTM 1204	5% max	2.9%
Volatility, % loss at 158° F after aging	1.5 max	None
Hydrostatic Pressure (to test water pressure)		
Original Condition	Pass	Pass
After Folding Test (cold crack, 4hrs. at 0° F)	Pass	Pass
After Puncture Test	Pass	Pass
After Identification Test	Pass	Pass
No evidence of surface wetness or other signs of water penetration was detected on any of the tested specimens		

**ADDITIONAL TESTS AND DATA**

<b>Additional Tests:</b>	<b>ASTM D751</b>	<b>Composeal 40</b>
Seam (lap joint) strength ASTM D751	8 lbs/in. min.	85 lbs/inch
Second Gravity: 1.29 g/cm <sup>3</sup>		
Cold Crack: passed at -53° F		
ASTM Standards D1004, D 2240, D 412, D1790, E 96 and FHA Spec. 4900.1 are also met by Composeal.		
*Measure of water/chemical surface absorption		
Tests were conducted by the SGS U.S. Testing Co., Tulsa, OK 74116 & Smith Emery Co., Test No. T-88 122A-B		

**SPECIFICATIONS & CODES:**

Composeal Gray 40 Mil PVC complies with the standards of ICC-ES for the USA and Canada (report PMG-1459) and and NES (PCR SP 102). Composeal Gray has separate municipal approval where required, City of Los Angeles (RR#4398), City of Philadelphia (40 mil), Metropolitan Dade County, Florida and The Commonwealth of Massachusetts. Approval is no longer required in New York City for concealed PVC waterproof membrane.

Composeal Gray 40 Mil PVC also complies with the Corps of Engineers specs for PVC shower pan material (para 5.8.3.2 15 p1-18) and meets the requirements of FHA Publication 4900.1.

Composeal Gray 40 Mil PVC meets and surpasses the engineering requirements of the American Society for Testing and Materials (ASTM). ASTM D4551 is the test standard established for PVC membranes used for Shower Pans.

**LIMITATIONS:**

Composeal Gray should not be used as a liner for pools containing fish or water plants

**TECHNICAL SUPPORT:**

The TCNA (Tile Council of North America) Handbook for Ceramic, Glass and Stone Tile Installation provides general instructions and guidelines for installations requiring waterproof membranes. Compotite Corporation provides technical support for installers of Composeal products. Composeal Gray 40 Mil PVC and its accessory products are available through quality ceramic tile distributors and plumbing supply houses. Refer to our website at [www.compotite.com](http://www.compotite.com) or call our main office at 800-221-1056 for additional technical literature and installation materials.