

**333-060-0065(1), 333-062-0060(1)**  
**August 30, 2012**  
**Review Date - July 1, 2018**

State of Oregon  
Oregon Health Authority  
**OREGON PUBLIC HEALTH DIVISION**

**PUBLIC HEALTH DIVISION  
INFORMATION BULLETIN**

**INTERPRETATION MANUAL**

**POOL SURFACING MATERIALS / PVC LINERS**

Food, Pool, Lodging – Health & Safety  
800 NE Oregon Street, Suite 640  
Portland, Oregon 97232-2162  
Phone (971) 673-0448 FAX (971) 673-0457



**QUESTION:**

Can a vinyl liner be used in a public swimming pool?

**BACKGROUND:**

Several companies have developed heavy-duty, fiber-reinforced PVC membrane liner products and vinyl surfacing materials for public swimming pools.

Myrtha Pools has a construction system that uses PVC bonded to stainless steel sidewall panels with a PVC membrane used on the bottom of the pool.

Myrtha Pools, Natatec Corporation (Natatec) and Renosys are among some of the manufacturers of heavy-duty, fiber-reinforced PVC membranes liners. These membrane liners are reinforced with a fiber mesh for strength and are usually 60 mils (1.5mm) thick. This is significantly different than the 20 – 25 mil vinyl liners with no mesh reinforcement usually used in residential pools.

Rather than a liner for the entire pool, these liners are installed using rolls of material laid out over an anti-abrasion lining and welded together to make the lining of the pool. The liners are not vandalproof, but are significantly more durable than the residential liners. They are easily patched and some have been in use over 30 years.

**INTERPRETATION:**

Lighter residential-weight liners are not acceptable.

Heavy-duty, fiber-reinforced, 60 mil membrane liners are approved for new pools and renovations. If proposed materials are from manufacturers not referenced above, the Authority should be contacted before installation for specific approval.

Impact-attenuating uses of the approved liners, such as using closed cell foam padding, will be by special permission only.

Liners must be maintained in good repair without leaks, blisters, tears, or slices.

**This is not an endorsement of the products referred to; and may not be used as such.**  
The authority reserves the right to change approvals and specifications without notice.