



“proven solutions for indoor swimming pool humidity problems”

7 Essential Steps to a Sustainable Indoor Pool Environment

1. Construct an energy efficient building:

- a. highly insulated ceiling, walls and floors (no cold spots),
- b. **NO SINGLE GLASS** - Use only **double glazed windows and thermally insulated frames** (no metal frames unless thermally protected/broken)
- c. tight and sealed building envelope.

2. Wet Area finishing: e.g. blue-board or cement sheet walls and ceilings, corrosive resistant finishes, etc...

3. Heat the air as well as the water (e.g. 26C water & 24C air). Air temperature need not be higher than water temperature if area is properly ventilated.

4. Ventilate Sustainably with a Venmar Heat Recovery Ventilation & Air Filtration System:

- a. low energy use,
- b. removes moist indoor air and corrosives (chlorine gas and salts),
- c. recovers up to 80% of heat from pool room and uses this to pre-heat incoming fresh air,
- d. and returns condensate to the pool.

5. Use a Pool Blanket when pool is not in use (reduces evaporation by 30%).

6. Surface-mounted lighting - to prevent any 'break' in wall or ceiling (moisture can penetrate and/or insulation coverage may be compromised).

7. Monitor conditions - indoor and outdoor air temperature, indoor humidity and water temperature.



2007 Awards of Excellence
Best Residential Indoor Pool *
Swimming Pool & Spa Association of Victoria
www.spasavic.com.au

* installed with a Venmar HRV 600i
heat recovery ventilator.



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