

Swimming Pool & Feature Pond System



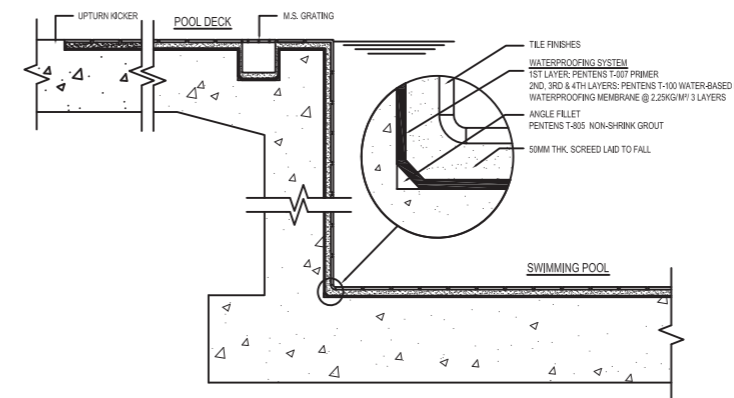
Swimming pools are constantly subject to water pressure. The waterproofing also needs to be able to cope with the pool chemicals. If not properly waterproofed, it will suffer from water damage such as cracking and flaking, and it will also be damaged by the pool chemicals used. Pentens T-100 waterproofing is the most preferred type of waterproofing for swimming pools. Pentens T-100 is a single component which is newly developed polymer of MMA, natural rubber, and polyurethane combines with the reaction with asphalt and then being modified and further emulsified to form elastic waterproof membrane.

Pentens T-100 Technical Data

Elongation ASTM D412-06ae2 (%)	Tensile Strength (kgf/cm2) ASTM D 412-98	Tear Strength (kgf/cm2) CNS 6986	Puncture (kgf) ASTM E154	Chemical Resistance 10% HCOOH, 600,24hrs
1128	20.90	11	1.6	No Changes on the surface of the sample

Pentens T-100 Advantages:

- Low VOC.
- Environmentally friendly.
- Easy application.
- High elasticity.
- Superb adhesive strength.
- Can be applied directly on damp or wet surfaces.
- Suitable in hot and humid tropical climate.
- Resistant to bubbling or side osmosis.
- No phenomenon even submerges in water for a long time.
- Capable of re-application.
- Non-toxic.



Swimming Pool Waterproofing Application

- Primer : Pentens T-007
- 1st Layer : Pentens T-100
- 2nd Layer : Pentens T-100
- 3rd Layer : Pentens T-100



Pentens T-100 Green Test Data

Heavy Metals: (EPA 3025 / EPA 6010B : ICP)	
A. Cadmium (d)	Not Detected
B. Lead (Pd)	Not Detected
C. Total Chromium (Cr)	Not Detected
D. Mercury (Hg)	Not Detected
Volatile Organic Compounds (ISO 11890-2) (g/L)	0.53
Total Halogenated Organic Solvent (ISO 11890-2) (%)	Not Detected
Total Aromatic Organic Solvent (ISO 11890-2) (%)	Not Detected
Epichlorohydrin (ISO 11890-2) (%)	Not Detected
N-Methyl Pyrrolidinone (ISO 11890-2) (%)	Not Detected
Formaldehyde (High Performance Liquid Chromatography) (%)	Not Detected
Alkyl Phenol Ethoxylate (LCMS-MS) (%)	Not Detected
Flash Point (ASTM D3828-07a) (°C)	>61

