

PLUMBING AND MECHANICAL
INTERPRETATION MANUAL



CODE: 2003 IPC

DATE:

CODE REF: P1002.4 IPC

5/13/2004

SUBJECT: Trap Seal Protection

Question: When and where is a trap primer or deep seal trap required?

Answer:

P1002.4 Trap seals. Each fixture trap shall have a liquid seal of not less than 2 inches (51 mm) and not more than 4 inches (102 mm), or deeper for special designs relating to accessible fixtures. Where a trap seal is subject to loss by evaporation, ~~a deep seal trap consisting of a 4 inch (102 mm) seal or~~ a trap seal primer valve shall be installed. A trap seal primer valve shall conform to ASSE 1018 or ASSE 1044.

Trap protection is required for the following locations:

1. Floor drain in restrooms
2. Warehouse and large retail area floor drains
3. Equipment rooms
4. Emergency Eye Wash drain (if provided)
5. Hub drains for environmental A/C condensate
6. Other locations where the trap is subject to evaporation

Note: Two methods for providing trap seal protection are:

1. Trap primers
2. **Approved substitute for trap primers**

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