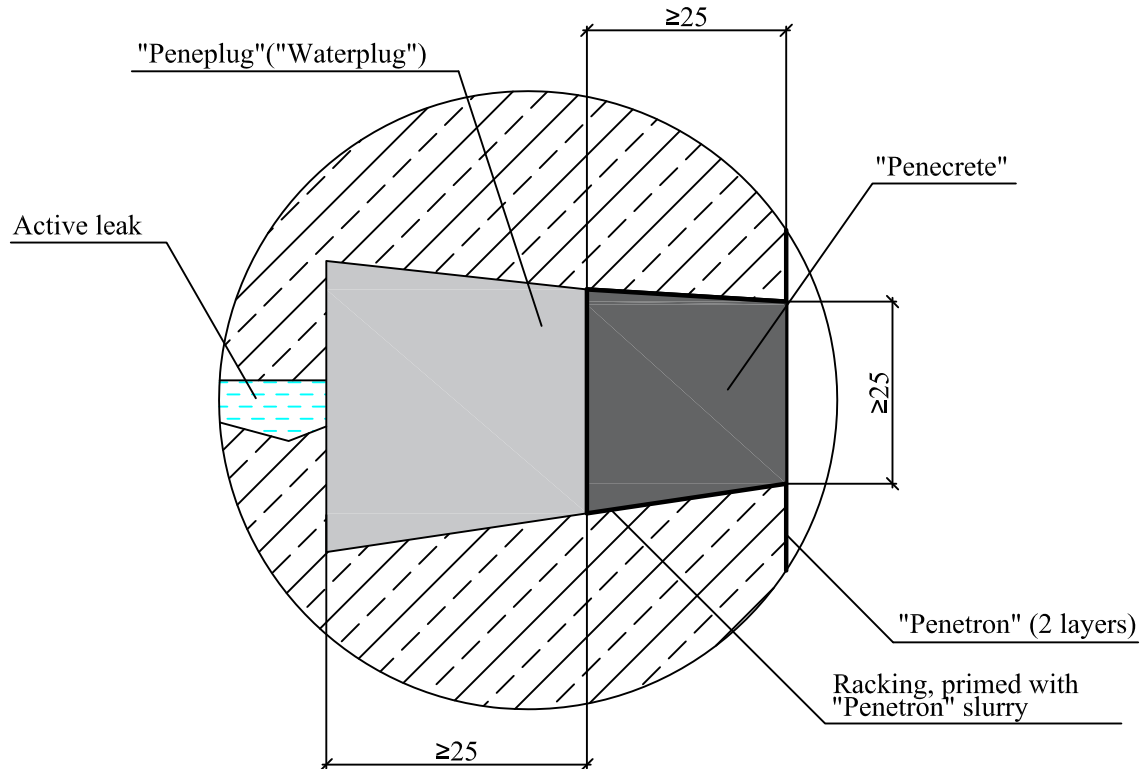


# Unit 3

## Existing structure Active leaks removal



Application of the materials:

1. The cavities of pressure leaks should be at least 25 mm wide and 50 mm deep with inward expansion (if possible, in the "pigeon tail" form).
2. Clean the racking and the leak cavities thoroughly, remove sweeps and loose concrete with the help of metal brush.
3. Prepare such amount of the Peneplug/Waterplug mix that can be used within 30 sec/2 min. The optimum temperature of tempering water is  $20 \pm 2$  °C. Use only clean containers and water to prepare a mortar mix. Mix the Peneplug / Waterplug dry mix with water in the following ratio: 0.22L of water per 1 kg of the Peneplug/Waterplug dry mix, or by volume - 1 portion of water per 4 portions of the Peneplug/Waterplug dry mix. Pour water in a dry mix and during 15-20 seconds.
4. Form a dense hard cone with the size not exceeding the size of a leakage cavity.
5. Put the cone into the cavity with thumbs (in alkali resistant gloves only).
6. Wait up to 30 sec/2 minutes, keep thumbs fixed without movement onto the material in the cavity.