

What Determines the Length
of Life of Prepared Roll
Roofings ?

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What Determines the Length of Life of Prepared Roll Roofings?

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SUMMARY

1. The average life of the samples of roll roofings laid on the south slope of a test roof was 10 years in contrast with over 13½ years for the same samples laid on the north slope. The life of the samples varied from 5 to 14 and 5 to 18 years on the south and north slopes, respectively.

2. The weathering tests revealed the following:

- a. The sun was the most destructive agency.
- b. The wind became very destructive once the roofing was loosened sufficiently to permit flapping.
- c. The slate and fine sand of the mineral surfacing were retained much better than the coarser sands or pebbles.
- d. The application of an asphalt roof paint prolonged the useful life of many of the roofings.

3. Pitch knots and other defects in the sheathing, and improper nailing reduced considerably the useful life of the roofings.

4. From the equation obtained by a statistical interpretation of the data from the investigation, it may be said that durability of prepared roll roofings varies:

- a. Directly with the tensile strength of felt.
- b. Inversely with the loss of weight of the original material on heating at 149 degrees F.
- c. Directly with the amount of mineral surfacing on the roofing.