

LIGHT INDUSTRIAL CASE STUDY

SHEEP PENS



1 SITUATION

Sheep pens are regularly exposed to urine and feces that must be allowed to drain to keep the pen sanitary. Additionally, the floor of the sheep pen must be even and level. Traditional pen flooring consists of precisely spaced wood or metal slats that allow waste material to fall through, but these floors are difficult to clean and can allow straw bedding to fall through as well.

To keep with the look of his house and the neighborhood, the owner of a small flock of sheep constructed a pen to look like a shed. The floor was made of standard plywood with several 1" drainage holes. The owner needed protection that would prolong the life of the pen floor by protecting it from the sheep urine and feces.

2 PROCEDURE

Preheated LINE-X® material was used to fill the day tanks of the E-10 machine prior to leaving the shop. Once onsite, the machine was set to recirculate for 30 minutes before spraying. Once the chemical had heated fully, the wood floor was textured three times before laying a skin coat to allow moisture to escape and avoid blisters. The applicator then applied two wet passes for a total of approximately 80 mils thickness on the floor. The walls of the pen were also sprayed approximately 18" up to ensure a good joint seal.

The customer was not concerned with filling any knots in the wood, so preparation was limited.

3 SOLUTION

LINE-X XS-100 offered the perfect solution for the sheep pen. It adheres very well to wood and provides a non-permeable, washable surface with excellent resistance to urine and feces. The project was completed onsite in less than two hours.

4 RESULTS

The LINE-X flooring provides a durable, washable coating that is safe for the animals. It makes cleaning the floor easy, prolongs the life of the floor, and provides the owner with an alternative to slat flooring at a competitive price.

