



North Carolina Department of Transportation
Materials and Tests Unit – Product Evaluation Program
Innovative Technologies and Products Awareness Report
July 7th, 2022



PRODUCT INNOVATION – Warrior Thermoform



Worker pulling the Warrior Thermoform pip-liner through a metal pipe – image from Thermoform Website

The Warrior Thermoform is a pipe-liner manufactured by Dyna Liner out of Birmingham, Alabama. It is currently approved for provisional use and listed on the Approved Products List (APL) as NP22-9069. The Warrior Thermoform is a PVC Fold & Form Liner for trenchless rehabilitation of storm water and sewer pipes ranging in size from 4 inches to 48 inches in diameter. The Warrior Thermoform pipe-liner has a Styrene free installation process with no VOC's released during its installation and has a 50-year design life. For more information, please visit:

<https://thermoformliner.com/>

PRODUCT HIGHLIGHT – MEL-ROL



MEL-ROL being inspected on a recent installation – image from MEL-ROL website

MEL-ROL is manufactured by W. R. Meadows, Inc. out of Hampshire, Illinois. It has been accepted for a field trial and is listed on the APL as NP22-9079. MEL-ROL is a flexible, versatile, dependable, rolled bituminous waterproofing membrane for attachment to concrete surfaces. It is a 60-mil membrane composed of a 56-mil thick layer of polymeric waterproofing membrane, on a heavy-duty, 4-mil thick cross-laminated polyethylene carrier film. It is primarily used for waterproofing below-grade concrete foundations and vertical walls. It is available in a regular, low temperature, and an extra-low temperature version which can be applied when the temperature is as low as 0° F. For more information, please visit:

www.wrmeadows.com/mel-rol-waterproofing-membrane/