

## Industry

Oil & Gas

## Equipment

Pipeline, Netherlands

## Date of application

2003

## Situation

A 1-kilometer long pre-coated pipeline had to be dragged under a highway and a canal. A first attempt without SolarTech resulted in substantial damage to the coating. SolarTech laminate was then applied for mechanical protection of the coating.

## Products

SolarTech PE 55 Laminate

## Application Procedure

1. SolarTech PE 55 laminate applied to mainline in factory
2. Pipe welded in the field
3. Weld joints protected with SolarTech PE 55 laminate in the field

## Pictures

1. Laminate applied to the mainline in the factory
2. Protected pipe pulled into tunnel
3. Close-up of the protected pipe showing overlaps
4. Protected pipe emerging from tunnel
5. Pipe guided into tunnel
6. The laminate was sufficiently flexible to allow handling



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6

## Benefits

- **Ease of application**
  - No mixing or heating required
  - No specialized equipment needed
- **Fast turnaround**
  - Application by hand
  - Rapid cure
- **Full mechanical protection (abrasion, impact, gouging)**
  - Reinforced and reacted system
  - Seamless—overlaps are chemically reacted