

# Nemo Hybrid Field Joint Coating

Nemo Hybrid is a dual layer subsea insulation field joint system designed for flow assurance and reeling thick line pipe insulation coating:

## System Description:

- Layer 1: Anti-corrosion - Fusion Bonded Epoxy
- Layer 2: Adhesive - PP co-polymer Adhesive
- Layer 3: Thermal insulation- Injection-Moulded PP in hourglass shape
- Layer 4: Thermal Insulation- low pressure castable epoxy urethane hybrid

## Superior Insulation Properties And Unmatched Mechanical Properties

- Provides excellent long-term thermal insulation properties for field joints in subsea environments and has been used in harsh environments with operating temperatures up to 150°C (302°F) with no depth limitations
- The interface between the hourglass IMPP and the parent coating is fused during the application process, and the interface between IMPP and NEMO 1.1 is bonded through surface activation of IMPP
- The field joint system can be flush or overbuilt with the linepipe coating depending on the requirements of the installation contractor
- This system achieves the ductility needed during reeling without creating added stress in the parent coating, thereby reducing the risk of cracking

## Installation

- Field joint coating application equipment and teams can be quickly mobilized to any location required by the customer
- Nemo Hybrid systems can be applied onshore on spoolbases (for subsequent reel-lay installation)

## Line Pipe Compatibility

- Therмотite®
- Wetisokote® (5LPP Syntactic)

## Value Added Services

- Streamlined delivery schedules, product standardization and quality assurance practices due to simplified processing operations
- Universally and readily available project management and logistics to spoolbases
- Nemo Hybrid systems allow for a wide range of technical performance designs based on the specific requirements of each project

CAPABILITY/PROPERTY\*

NEMO HYBRID

Max Operating Temp	150C (302F)
Thermal Conductivity (k-value)	0.195- 0.22W/m*K (composite k-value depends on design)
Overall Heat Transfer Coeff. (U-value)	as per design
Water Depth	unlimited

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