ENDOPRENE® - THE TRADEMARK WITH A LONG TRACK RECORD

Endoprene® is synonymous with high quality Polyurethane coating material, thanks to its long established track record as an external coating of pipes, fittings, valves, tanks and containers. Endoprene® technical solutions are nowadays widely recommended and used for onshore field joints and rehabilitation purposes.

KEY FEATURES:

- Cost effective solution
- Solvent and tar free two-component material
- Applied in a single coat at high thickness
- Long time corrosion protection
- Wide range of service temperatures

The performance of Endoprene® polyurethane coatings has been widely demonstrated for many applications and requirements, representing some **5,000 kilometers of coated pipelines since the late 1970s.**

The Endoprene® product range for **pipe rehabilitation and field joints of onshore pipelines** is designed to provide comprehensive management of all pipe refurbishment processes by offering both sprayable and manual application materials.

BENEFITS:

ENDOPRENE ® Trademark	APPLICATION	DIFFERENTIATION
870		. Very fast curing . Good indentation resistance at high temperature
870 EN		. Flexibility / Hardness compromise . Good indentation resistance at high température . Complies with the EN 10290 norm
86-00		. High reactivity . Rigid material . Resistance to cathodic disbondment
880		. Ideal reactivity for manual application (repairs, …)

PERFORMANCE:

The last generation of PolyUrethane ENDOPRENE ® Coatings matches or exceeds the performance required by the current standards and specifications thanks to :

Mechanical properties and low water permeability

		ENDOPRENE ®		
		870	**870 EN**	**86-00**
Elongation at break at 23°C	ISO 527	≥ 5 %	≥ 10 %	≤ 5 %
Strength at break at 23°C	ISO 527	≥ 15 N/mm^2	≥ 15 N/mm^2	≥ 25 N/mm^2
Hardness - Shore D at 20°C	ISO 868	≥ 70	≥ 65	≥ 75
Indentation resistance at 70°C for 48 hours	EN 10290	≤ 5 %	≤ 15 %	≤ 20 %
Impact resistance (at 23°C)	EN 10290	≥ 12 Joules	≥ 12 Joules	≥ 12 Joules
Specific Insulation Resistance 100 days at 23°C	EN 10290	≥10^8 Ohm.m^2	≥10^8 Ohm.m^2	≥10^8 Ohm.m^2

Test conditions :

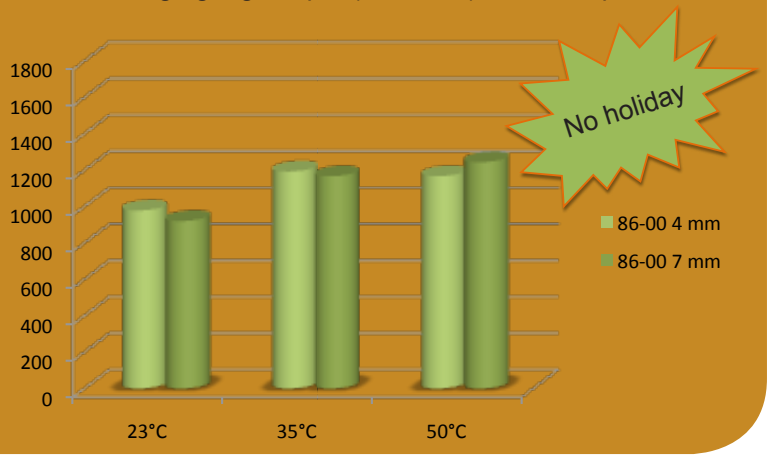
. Substrate
abrasive blast clean surface to Sa2,5 (ISO 8501-1) surface profile in the range between 70 and 80 micron (ISO 8503-4)
. Application
twin-feed hot airless spray machine
Component A : 65 - 70°C
Component B : 20°C

Test conditions :

. Methodology & procedure as per CAN CSA Z245.20-10 Clause 12.15
. Selection of gouge tips of double cut carbide burr R-33
. Holiday detection using a 67.5 VDC wet sponge holiday detector

Thrust boring application

Average gouge depth (in micron) verse temperature



The comprehensive range of ENDOPRENE® polyurethane coating materials provides the right answer to your specific needs, backed-up by a long track record in the field.

Please contact us for specific recommendations on spray parameters and equipment based on our in-house and on-site experience.

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For further information, please contact :

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