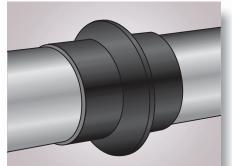


APPM Tubular Sleeve



Corrosion protection sleeve for round anchor plates in District Heating pipeline segments.

Product description

APPM metal anchor coating. Construction: Two-layer system: First layer: Visco-elastic mastic sealant. Second layer: Thick-walled. radiation-cross-linked. high density polyethylene.

APPM is a tubular, heat-shrinkable sleeve, which provides corrosion protection to metal pipe casings and the anchor plates welded to them. Owing to APPM's high shrink ratio, it conforms easily to large step-downs. APPM is available in a standardized range of diameters.

Specially formulated sealant

Self-healing effect. Saves time.

damages

Ensures a strong bond & reliable protection.

No special equipment or skills required

Makes installation fast, easy and low cost.

Provides high peel and shear values after installation.

Sealing adhesive automatically flows and repairs minor mechanical

The installation is carried out directly on the cleaned and prepared pipe and anchor surface. No primer is required. APPM is slid over the pipe prior to welding. By heating the APPM with an appropriate gas torch the high shrink-ratio backing reduces in size to form a tight fit around the anchor plate and the casing pipe. While shrinking, the sealant, with its superior flow and fill characteristics, spreads uniformly over the entire surface covered by the APPM, thereby filling surface irregularities and preventing the penetration of moisture.

After installation, the anchor is completely encapsulated with concrete to prevent the insulated pipe system from moving against the soil.

Product features/benefits

- No primer required No drying time and easy application.
- Low preheat sensitivity & proven functionality Allows easy application combined with high functional performance. Saves time.
- High mechanical resistance backing APPM resists abrasion, impact and penetration.
- High shrink force backing Easy & clean installation even at the difficult step-down area.
- Product selection guide

roduct selection guide	
	APPM
Max. operating temperature	50°C
Compatible line coatings	PE, FBE, Tape, Coal tar and Asphalt
Min. preheat temperature	60°C
Recommended pipe preparation	ST3
Soil stress restrictions	Not applicable, encapsulated in concrete

Product thickness

	APPINI
Backing (as supplied)	0.8 - 1.2 mm*
Backing (fully free recovered)	2.0 mm - 2.3 mm*
Adhesive (as supplied)	0.94 mm

4004

* Backing thickness is function of the diameter.

Product properties: APPM

Property	Test method	Typical value	
Backing			
Tensile strength	ASTM D-638	3300 psi (22.7 MPa)	
Elongation	ASTM D-638	600%	
Hardness, Shore D	ASTM D-2240	55	
Shrink force	ASTM D-638	40 psi	
	150°C		
Water absorption	ISO 62	0.05%	

Property	Test method	Typical value (/138)	Typical value (/87)*
Adhesive			
Softening point	ASTM E-28	134°C	94°C
Shear strength	EN12068 @	0.07 N/mm ²	0.18 N/mm ²
	10 mm /min.		
Sleeve			
Peel to Steel	EN12068 @	1.9 N/mm	0.4 N/mm
	10 mm /min.		
Impact resistance	EN12068	> 15 Nm	>8 Nm
Penetration resistance	EN12068 class C	> 0.6 mm**	class B >0.6 mm**
Cathodic disbondment	EN12068, 30 days	4 mm radius	10 mm radius

** remaining coating thickness

Ordering information

APPM type products are available:

• as ready-to-size tubular sleeves

Example: APPM-275/150-600/138T					
			Standard ordering options		
275/150	Recovery ratio in mm		Max. Anchor Plate \varnothing mm	Min. Jacket Ø mm	
	(supplied diameter /	230/80*	215	90/110/125/140	
	recovered diameter)	260/135*	245	140	
		275/150	260	160	
		295/160	280	180	
		320/175	300	200	
		380/205	350	250	
		410/225	380	280	
		440/240	415	315	
		530/290	500	400	
		580/315	550	450	
		630/340	600	500	
		690/375	660	560	
		900/510	810	710	
600	Nominal sleeve width in mm	600 mm			
/138T	Adhesive code	/138T /87 CD116 (for sizes *)			

Berry Plastics warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Berry Plastics written instructions. Since many installation factors are beyond the control of Berry Plastics, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Berry Plastics liability is stated in the standard terms and conditions of sale. Berry Plastics makes no other warranty either expressed or implied. All information contained in this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.



CORROSION PROTECTION GROUP

www.berrycpg.com

Headquarters : Berry Plastics Tapes & Coatings Division, Franklin MA, USA

Franklin, MA, USA Tel: +1 508 918 1714

US Toll Free: +1 800 248 0149 Fax: +1 508 918 1910 CPG@berryplastics.com Houston, TX, USA Tel: +1 713 676 0085 US Toll Free: 01 888 676 7202 Fax:+1 713 676 0086 CPGH@berryplastics.com

Tijuana, Mexico

Tel USA +1 858 633 9797 Fax US: +1 858 633 9740 Tel Mexico: +52 664 647 4397 Fax Mexico: +52 664 647 4370 CPGTJ@berryplastics.com

Aarschot, Belgium Tel: +32 16 55 36 00 Fax: +32 16 55 36 74 CPGE@berryplastics.com

Baroda, India Tel: +91 2667 264721 Fax: +91 2667 264724 CPGIN@berryplastics.com

Local Distributor / Representative:

For contact details of local Distributors / Representatives

Please visit www.berrycpg.com.

stics.com