



Heat Shrink Anticorrosion Coating System  
**Shandong Quanmin Plastic, China**

## Pipeline Joint anticorrosion protection

### Pipeline Heat Shrink Sleeves

## Catalogue

### Pipe Coating Materials

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Corrosion Protection of Water, Oil and Gas Pipelines

Pipe Joint Coating, Girth Weld Coating, Pipe Fitting Coating, Coating Repair

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Heat Shrinkable Wrapping Tape

Wrap-around Sleeve & Epoxy System

Primerless cross-linked sleeves with Mastic adhesive for two-layer system

Cross-linked PE backing sleeves with Heat activated adhesive for three-layer system

One-piece protective sleeve with pre-attached closure

Two-piece protective bulk roll with separate closure

Pipeline repair products: Repair patch, Melt Stick, Epoxy Primer, Mastic Filler



**Shandong Quanmin Plastic, Leaders in Corrosion Prevention Technology**

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## Pipeline Repair Material

### Mastic Filler For pipeline Repair

The mastic filler are designed as an underlying filler materials prior to the repair of coating systems. Mastic filler is used to fill larger voids and deep damaged coating. It is made up of butyl rubber, unsaponifiable resins. It is compatible with general coating system. The interleaf is made up of silicone coated paper.

Color: Black

Advantages

- Flexible under various field conditions
- Conformable and moldable
- Easy and simply application

Mastic filler	Shape	Or Strip	
	Thickness	3.0mm	
	Width	40mm or 50mm	
	Length	3m or 25m	
	Density	ASTM D1084	1.3kg/cu.dm.
	Elongation at Break	ASTM D638	600%
	Water Absorptivity	ASTM D 570	0.08%
	Hardness, Shore D	ASTM D2240	35
	Low Temperature Flexibility	ASTM D2671	-35°C
	Maximum operating temperature	-	85°C



### PE repair patch For pipeline Repair

The product consists of an irradiated cross-linked polyolefin sheet coated with a heat activated adhesive and is designed specifically for sealing and protection of damaged pipeline coatings.

Advantages

- No special tools or equipment required
- Excellent abrasion resistance
- Inert to common acids, alkalis and solvents
- Barrier to moisture and corrosion

	Test	Method	Value
PE repair patch	Tensile Strength of Backing	ASTM D638	22 MPa
	Elongation at Break of Backing	ASTM D638	600%
	Hardness, Shore D of Backing	ASTM D2240	52
	Dielectric Strength of Backing	ASTM D149	35KV/mm
	Adhesive Water absorption	ASTM D570	≤0.05%
	Adhesive softening point	ASTM E28	125°C
	Adhesive Lap shear @23°C	ASTM D1002	196psi
	Peel strength of PE repair patch	ASTM D1000	60N/cm
	Impact resistance of PE repair patch	DIN30672	20J
	Hot melt adhesive stick	Impact resistance	DIN30672
Dielectric Breakdown		ASTM D149	30KV/mm



### Hot melt adhesive stick For pipeline Repair

Hot melt adhesive stick is composed of heat-activated adhesive with a stick form. It is used for repairing a small damage on the pipeline. It could be used as a filler material with PE repair patch.

Advantages

- Flexible
- Excellent adhesion
- Flows into hard-to-reach location
- Excellent moisture resistance

Selection Of Product	Max. Operating Temperature	Compatible Line Coating	Product
Small damage or Scratch	114°F(80°C)	PE,PP,FBE,CTE	Only Hot melt adhesive stick or with PE repair patch
Damage		PE,PP,FBE,CTE	Hot melt adhesive stick with PE repair patch or Mastic filler with PE repair patch
Large damage	Heat shrinkable sleeve is recommended		

