

# DENSO PASTE

## Petrolatum Tape Primer

### Description

Denso Paste is a soft brown petrolatum primer containing moisture displacing corrosion inhibiting compounds for application by stiff brush or gloved hand at normal ambient temperature. It does not dry, harden or crack.

### Uses

Primarily used as a primer prior to the application of Denso petrolatum tapes. Denso Paste will penetrate existing rust, displace moisture, pacify the surface and aid the adhesion of petrolatum tapes and mastics. It is also used as a temporary coating for exposed metal.

### Features

- Minimal surface preparation (SSPC SP 2-3)
- Can be applied in any climate
- Can be applied to wet surfaces
- Contains no V.O.C.'s
- Can be applied by inexperienced personnel
- No shut downs necessary
- Meets AWWA C-217

### Application

Prepare surfaces by removing all loose scale, rust or other foreign matter in accordance to SSPC SP2 "Hand Tool Cleaning" or SP3 "Power Tool Cleaning". High pressure water wash of 3,000 - 7,000 psi is also suitable. Apply a thin uniform coat of Denso Paste to entire surface with gloved hand, brush or rag.



# Denso Paste

## PROPERTY SPECIFICATIONS

<b>PROPERTIES</b>	<b>ENGLISH</b>	<b>METRIC</b>
Solids Content	>98%	>98%
Specific Gravity	1.08	1.08
Specific Volume	26 cu in/lb.	925 cc/kg
Flash Point	>356°F	>180°C
Maximum Service Temperature	158°F	70°C
Coverage	22 ft <sup>2</sup> /lb.	2 m <sup>2</sup> /kg
Packaging	4 ea 5.5 lb tubs	4 ea 2.5 kg tubs

### COVERAGE:

484 ft<sup>2</sup> per case  
(22 m<sup>2</sup> per case)

### PACKAGING:

4 each 5.5 lb tubs per case  
(4 each 2.5 kg tubs per case)

Also available in 55 lb (25 kg) drums



### DENSO NORTH AMERICA

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# **DENSO PROFILING MASTIC**

## **Petrolatum Molding Mastic**

### **Description**

Denso Profiling Mastic is a cold applied self-supporting molding mastic. It is a petrolatum compound containing beads of closed cell cellular polymer and flow control additives.

### **Uses**

The mastic is used to provide a smooth profile on irregular shaped fittings such as flanged joints and valves. It is applied prior to the tape application and generally used in conjunction with primer, Denso Petrolatum Tapes or Denso Bituminous Tapes.

### **Features**

- Easy application from arctic to tropical temperatures
- Excellent molding and sealing properties
- No VOCs
- Will adhere to metal, PVC, polyethylene and concrete
- Not effected by water, acids and salts
- Non-hardening in cold weather
- Minimal surface preparation (SSPC SP 2-3)

### **Application**

Prepare surfaces by removing all loose scale, rust or other foreign matter in accordance to SSPC SP2 "Hand Tool Cleaning" or SP3 "Power Tool Cleaning". High pressure water wash of 3,000 - 7,000 psi is also suitable. Apply a thin film of appropriate primer to the surface. Then, by hand application, mold the mastic to a rounded configuration to fill irregular shapes and reduce sharp edged surfaces.



# Denso Profiling Mastic

## Property Specifications

PROPERTIES	PROFILING MASTIC		PROFILING MASTIC HT	
	ENGLISH	METRIC	ENGLISH	METRIC
Specific Gravity	0.605	0.605	0.74	0.74
Solids Content	100%	100%	100%	100%
SAG Temperature	185°F	85°C	185°F	85°C
Flash Point	365°F	185°C	356°F	180°C
Specific Volume	45.9 in <sup>3</sup> /lb	1653 cc/kg	37.4 in <sup>3</sup> /lb	1350 cc/kg
Maximum Service Temperature	140°F	60°C	167°F	75°C

## Quantity Estimates

Pipe Diameter		Flanged Joint		Flanged Valve & Dresser Coupling	
in.	mm	lbs	kg	lbs	kg
4	100	3.25	1.47	9.75	4.42
6	150	4.25	1.93	12.75	5.78
8	200	5.5	2.49	16.5	7.48
10	250	7	3.18	21	9.53
12	300	8.5	3.86	25.5	11.57
14	350	9.5	4.31	28.5	12.93
16	400	10.5	4.76	31.5	14.29
18	450	12	5.44	36	16.33
20	500	13	5.9	39	17.69
24	600	16	7.26	48	21.77
30	750	19	8.62	57	25.86

### PACKAGING:

6 each 4 lb blocks = 24 lbs per case

(6 each 1.75 kg blocks = 10.5 kg per case)

Block dimensions: 1.5" x 7" x 14"



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# DENSYL TAPE

## All Purpose Petrolatum Tape

### Description

Densyl Tape is composed of a non-woven synthetic fabric carrier, fully impregnated with a neutral compound based on saturated petrolatum and inert siliceous fillers.

### Uses

Densyl Tapes are designed to withstand extreme temperature variations. The tapes provide long term corrosion protection to pipes, flanges, valves and related surfaces.

### Features

- Applied to marginally prepared surfaces (SSPC SP 2-3)
- Conforms to irregular shapes and profiles
- UV resistant
- Can be applied to cold, wet surfaces
- Not effected by water, acid, salts or soil organics
- Encapsulation of lead paint
- Contains no solvents
- Easy application from arctic to tropical temperatures
- Ready for immediate service after application
- Meets AWWA C217 Standard
- Over an 80 year history of proven applications
- Can be applied above and below ground

### Application

Prepare surfaces by removing all loose scale, rust or other foreign matter in accordance to SSPC SP2 "Hand Tool Cleaning" or SP3 "Power Tool Cleaning". High pressure water wash of 3,000 - 7,000 psi is also suitable. Apply a thin film of Denso Paste, which serves as a primer. Spirally wrap the tape with a minimum 1" overlap. For severely corrosive environments, a 55% overlap is recommended. While wrapping, press air pockets out and smooth all lap seams. For additional mechanical protection, an overwrap may be used to increase impact strength and electrical resistance.

Irregular surfaces such as valves, flanges, etc. may require the use of Densyl Mastic or Denso Profiling Mastic. Refer to the product sheets for these specific products for information on application and selection.



# Densyl Tape

## PROPERTY SPECIFICATIONS

PROPERTIES	ENGLISH	METRIC
Thickness (ASTM D1000)	46 mils	1.15 mm avg.
Weight	.295 lbs/ft <sup>2</sup> .	1.44 kg/m <sup>2</sup> avg.
Breaking Strength (ASTM 1000)	22.5 lbf/in.	200 N/50 mm min.
Water Vapor Transmission (ASTM E96 - 66 Procedure A)	0.006 perms avg.	0.006 perms avg.
Elongation @ Break	10% avg.	10% avg.
Breakdown Voltage (55% overlap)	16 kV min.	16 kV min.
Resistance to Cathodic Disbonding (ASTM G-8 - 30 days)	.28 in <sup>2</sup> avg.	180 mm <sup>2</sup> avg.
Resistance to Acids, Alkalies and Salts	Excellent	Excellent
Maximum Service Temperature	158°F	70°C
Roll Widths	2" to 12"	50 to 300 mm
Roll Length	33 ft	10 m
Recommended Primer	Denso Paste Denso Paste S105 or Denso Priming Solution	

## Quantity Estimates

Tape Width	Rolls*/ Case	Coverage with 1" Overlap	Coverage with 55% Overlap
in.	ea.	ea.	ea.
2"	36	87 ft <sup>2</sup> /case	87 ft <sup>2</sup> /case
4"	18	145 ft <sup>2</sup> /case	87 ft <sup>2</sup> /case
6"	12	162 ft <sup>2</sup> /case	87 ft <sup>2</sup> /case
8"	8	150 ft <sup>2</sup> /case	77 ft <sup>2</sup> /case
12"	6	177 ft <sup>2</sup> /case	87 ft <sup>2</sup> /case

\*All rolls are 33 feet in length.



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# **DENSO POLY-WRAP**

**Clear Outerwrap Used Over Petrolatum Tape Systems**

## **Description**

Denso Poly-Wrap is a 150 gauge (1.5 mil) wrap made from high performance metallocene resins.

## **Uses**

Used as an outerwrap for Denso Petrolatum Tape Systems for straight pipe and irregular fittings and valves.

## **Features**

- Superior holding force
- Excellent prestretch up to 250%
- Excellent conformability to irregular shapes
- High dielectric strength
- Adds puncture resistance

## **Application**

The Poly-Wrap shall be spirally wrapped using sufficient tension to wrap over the Denso Petrolatum Tape with a minimum 50% overlap.



# Denso Poly-Wrap

## PROPERTY SPECIFICATIONS

PROPERTIES	ENGLISH
Elongation MD (ASTM D882)	500%
Elongation TD (ASTM D882)	725%
Tensile Ult. MD psi (ASTM D882)	7600
Tensile Ult. TD psi (ASTM D882)	6000
Tensile Ult. TD psi (ASTM D882)	6000
Thickness	1.5 mils
Roll Widths	4", 6", and 12"
Roll Length	500 ft.

## Quantity Estimates

Tape Width	Rolls*/ Case	Coverage with 50% Overlap
in.	ea.	ea.
4"	6	550 ft <sup>2</sup> /case
6"	4	550 ft <sup>2</sup> /case
12"	2	550 ft <sup>2</sup> /case

\*All rolls are 500 feet in length.



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