

PROTEGATAR ECT036 & 037

DESCRIPTION A two component epoxy coal tar pitch.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Can be applied up to 400 microns dft as a one-coat system.
- ◆ Suitable for temperatures of 150°C, with surges to 200°C, and therefore an ideal protection coat for pipelines under insulation.
- ◆ Excellent resistance to salt and fresh water, above and below the water line.
- ◆ Combines the toughness and chemical resistance of epoxy with the water resistance of pitch.
- ◆ Use on underwater areas, ballast tanks, void spaces, underdecks, crude oil tanks, buried or encased steelwork, either onshore or offshore.
- ◆ Suitable for use with cathodic protection.
- ◆ Isocyanate-free.
- ◆ EPA compliant.

TECHNICAL DATA

Volume solids 70 ± 2% mixed (ISO 3233).

Weight solids 78 ± 2% mixed.

Specific gravity 1.33 – 1.37 mixed.

Product code

Base	4 parts by volume	2911 001 (ECT036)	2911 002 (ECT037)
Hardener	1 part by volume	4071 087	
Composite		4809 001 (ECT036)	4809 002 (ECT037)

Pot life 8 hours @23°C

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
100 µm	140 µm	7.0 m ² /l
150 µm	215 µm	4.7 m ² /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

DFT 125 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry	16 h	8 h	5 h
Hard dry	36 h	16 h	10 h
Overcoating*	36 h	16 h	10 h
	7 d	7 d	2 d

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Finish Semi-gloss

Colours Black (ECT036), Brown (ECT037).

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APPLICATION DETAILS

Surface preparation

Steel

Degrease where necessary to SSPC-SP1 solvent cleaning to remove weld flux and general contamination prior to blasting.

All sharp edges should be ground and weld spatter removed.

Blast clean to Swedish Standard SIS 05 5900 Sa 2½ or British Standard 7079 equivalent.

Maximum profile 75 microns.

For touch up, this product can be applied to St2 surfaces.

Surface should be clean dry and free from all grease, oil and general contamination.

Application conditions

Only apply in conditions of good ventilation which should be maintained during drying. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point.

Mixing

Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator. Ensure complete homogeneity before using.

Application

Method	Airless spray	Automatic Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	2500 – 3200 p.s.i.	No	No	Yes	Yes
Tip Size	21 – 26 thou				

Brush or roller - average DFT of 70 microns will be achieved.

Preferred maximum DFT is 250 microns per coat if more than one coat is being applied.

400 microns DFT is possible, if applied as a single coat application only.

Thinner

1031 Thinner.

Cleaning of equipment

Remove remaining paint from equipment, flush thoroughly with 950 Thinner until solvent appears uncontaminated.

FLASH POINT

22 - 32°C

STORAGE

Store in dry, cool conditions and protect from frost.

VOC

Volatile Organic Compound content: 319 ± 20 gm/lt, varies with colour.

HEALTH AND SAFETY

Containers are provided with safety labels, which should be observed.

Further information about hazardous influences and protection are detailed in individual health and safety data sheets.

A health and safety data sheet is available on request from Protega Coatings Ltd.

PRODUCT NOTES

Typically epoxies will not cure below 5°C and for optimum performance a minimum of 10°C should be reached.

Product will chalk, the degree to which is subject to atmospheric conditions.

*Overcoating times stated refer to application at 100/150 microns dry.