

ENVIROPEEL

THERMOPLASTIC SYSTEMS

HOW THE SYSTEM WORKS

The Enviropeel system uses a state-of-the-art computer controlled heating and spraying unit to apply a tough, environmentally friendly thermoplastic anti-corrosion barrier coating to objects of any size or shape. The Enviropeel material contains corrosion inhibitors that penetrate deep between surfaces and into crevices providing perfect corrosion protection. When access is required, the coating can be easily stripped away and returned to the application machine for re-use without any need to clean the substrate.



Enviropeel is suitable for transit and storage protection as well as being extremely effective against crevice and galvanic corrosion on areas such as valves and flanges. For technical information please visit our website or contact the address below.

ONE SIZE FITS ALL

BUILT IN CORROSION INHIBITORS

TOUGH BARRIER COATING

RE-USABLE AND RECYCLABLE

ENVIRONMENTALLY FRIENDLY

FLEXIBLE & EASILY ACCESSIBLE



Wherever corrosion is a problem ...

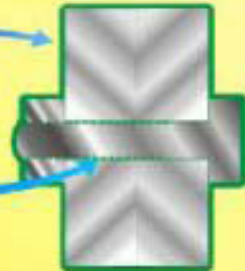


Enviropeel can protect any shape or size



Protects inside and out

Seals & protects outside
Penetrates deep inside



Easy and clean to remove



Return material for re-use



Contact: Offshore Technology Solutions Ltd. 106 Western Main Rd. Chaguaramas, Trinidad, West Indies
Telephone (1) 868 634 - 2214 -- 2216 Fax: (1) 868 634 - 4449 Email: info@otsl.biz www.otsl.biz

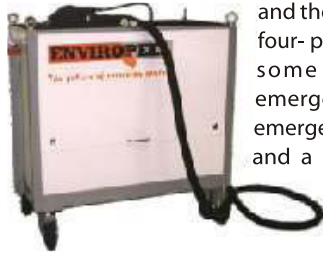
THE ZONE 2 APPLICATOR **ENVIROPEEL**

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The applicator consists of a heating and pumping unit, a heated hose and spray gun with an optional onboard compressor, all of which are constantly controlled and monitored by the inbuilt microprocessor. In the unlikely event of a fault, the safety system 'watchdog' will shut down all outputs within 0.25 of a second. All components are housed in a purpose built mobile trolley and protected by a gas detection system incorporating EXD electrical enclosure and EX-rated Emergency Stop Station.

PROTECTIONEQUIPMENTDESCRIPTION

The protection system consists of a flammable gas detector, a control enclosure and an emergency stop station. The gas detector has an LCD display for any measured gas concentration and integral alarm and fault relays. The control enclosure is fitted with a power supply used to generate the 24 V dc required by the equipment within the enclosure and the gas detector. It also contains the 32A four-pole contactor, a 5A four-pole relay and some miscellaneous terminals. The emergency stop station consists of an emergency stop button, a green start button and a red indicator lamp which illuminates when the gas detector detects high gas level or when the emergency stop button has been pressed. All this equipment is certified for use within a flammable atmosphere. The safety system is designed to isolate all power to non-EX rated components making it perfectly safe even when power is applied.



FUNCTIONALDESCRIPTION

When power is applied the gas detector will monitor for flammable gasses before allowing start-up of the machine. It cannot be started if either a flammable gas is detected above the alarm threshold, or the emergency stop button has been activated. Once both of these conditions have been cleared, then power may be applied to the main machine by pressing the green 'Start' button, energising the contactor within the EX control enclosure, allowing supply to be available at the terminals within the power distribution enclosure.

Upon detection of a flammable gas or upon activation of the emergency stop button, the contactor will de-energise, isolating the power supply. Any fault within the detector system will also cause the power will be cut-off. Power can only be reapplied once the level of flammable gas has dropped below the alarm level, the stop button reset or the fault has been corrected.

TECHNICAL DATA

Heating tank content 8 litre
 Piston Pump KPC 5 (5.1 Ratio)
 Pumping Rate 50 kg per hour
 Output pressure Max 30 Bar
 Operating Temperature range 150° C - 190° C
 Temperature feed back accuracy +0.5° C
 Operating voltage 400v 3LNPE
 Mains Frequency 50/60 Hz
 Power consumption heating tank 3Kw
 Power consumption heating hose ... 1Kw per 10mtr length
 Sound Pressure <70 dB(A)
 Admissible voltage deviation 0.9 - 1.1

CONFORMITIES

The unit conforms to the following standards and is certified by DNV for use in hazardous area Zone 2.

CE Conformities

Machine directive 89/392/EEC
 Low voltage directive 73/23/EEC
 EMC Directive 89/336/EEC
 S1 913 (1996) Design & construction regulations
 S1 2306 1998 Provision & use of work equipt.
 BS EN 60079-14 1997 Electrical apparatus for explosive gas atmospheres.

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COCOON LTD


OTSL
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