

# IRATHANE POLYUREA 2000

Irathane Polyurea 2000 is a rapid curing, spray applied elastomer system producing linings and membranes with excellent physical and weathering properties. The system is ideal for coating or lining large structures, as well as offering rapid turnaround times. Standard colour is grey.

Conforms to the requirements of BS6920 and is UK WRAS listed, reference 9812510.

## BENEFITS

- |   |   |  |
|---|---|--|
| Rapid Cure  | - | Sets in less than 5 seconds.<br>walk on time <15 mins (above 10°C)   |
| Compatible with Aqualine, Irathane linings, primers and adhesives | - | Allows even the most complex structure and substrate combination to be protected. with the additional benefit of being able to be repaired |
| Elastomeric   | - | Tolerates crack movement.  |
| UV Resistant  | - | Added U.V. stabiliser gives exceptional light stability.   |
| Easy dispensing and mixing  | - | 1 : 1 volume mix ratio.  |
| Moisture Tolerant   | - | Can be sprayed directly onto damp substrates with or without geotextile, to produce seamfree unbonded membranes.                           |
| Repairable  | - | Quickly and easily repairable.   |
| Suitable for contact with Potable Water                           | - | Conforms to the requirements of BS6920 and is UK WRAS listed, reference 9812510.   |

## TYPICAL APPLICATIONS

- ✍ Sealing of concrete tanks and sumps.
- ✍ Corrosion and abrasion resistant linings for metal tanks and structures.
- ✍ Pond and landfill cover liners.
- ✍ Secondary containment areas
- ✍ Reservoir roofs

# IRATHANE POLYUREA 2000

Physical Properties		Spray	Cast
Hardness, Shore A	ISO 7619	95°	98°
Tensile strength, MPa	ISO 37	25	30
Elongation @ break,%	ISO 37	400	400
Crack accommodation, mm		10	10
Resilience	ISO 4662	45	40
Tear strength, kN/m	ISO 34-1, die C	67	67
Puncture resistance, kN/m	(ASTM 4833)	109.4	-
Index puncture resistance	(FTMS 101C)	323.8	-
Water vapour transmission, g/m <sup>2</sup> /24hours	ISO 6179	42	42
Direct shear, elastomer onto soil, degrees	-	38	-
Direct shear, elastomer/geotextile onto soil, degrees	-	37	-
Linear shrinkage @ 2.5mm DFT, 600 x 600mm sheet, %	-	1.1	-
Abrasion resistance, mm <sup>3</sup>	ISO 4649	250	200
Mix ratio by volume		1:1	1:1
Pack size 200 litres per component			

## REPAIR

Should Irathane Polyurea 2000 become worn or damaged it can easily be repaired (consult Irathane Technical Services).

When stored in original unopened containers in dry conditions at 25<sup>0</sup>C Irathane Polyurea 2000 is guaranteed for a period of 6 months from shipment date. The figures quoted represent mean values obtained in laboratory conditions. They do not, as such, constitute a specification since ITW Irathane International cannot predict the results which may be obtained from different working conditions on users equipment. Application and safety data on Irathane products is available on request.