

TECHNICAL DATA

SOUPLETHANE N 5

two component polyurethane resin without solvent making a waterproofing liquid membrane , anti-corrosion or floor coating protection. Decontaminatable and resistant to irradiations for nuclear plants.

Application :

. waterproofing of chemical retentions, floors coating, walls, chemicals unloading areas

Technical properties :

decontaminatable: class 1 - 4 from CEA

coating resistant to irradiations

. *waterproofing film*, without joints nor pinholes

. *coating mechanically* very resistant

. *can bridge cracks in concrete up to 3,5 mm* for a 2 mm thick film.

. *resistant to U.V. rays* (no chalking). To keep the colour stability to U.V.rays, apply the P.U. aliphatic finishing SOUPLETHANE 750

. *strong bonding* on any substrate (concrete : 3 Mpa, steel: 7 Mpa without primer and 15 Mpa with primer P 111)

. *very resistant to corrosion* (Ph from 1 to 13)

. *resistant to thermal shocks* (from - 50°C to + 130°C)

Application techniques :

. applied by roller or brush

. sprayed through high pressure twin component airless spraying equipment

Application parameters :

. component A viscosity : 5 500 cps

. component B viscosity : 400 cps

. components temperature :

- component A : 35°C

- component B : 20°C

. pressure : 180 / 200 bars

. pot life à 20°C : 23 mn

Packaging and storage :

. 200 l drums

. 20 l pails

. storage : 12 months under shelter

Technical characteristics :

Nature of polymer : Polyurea-urethane

Number of components : 2 (without solvent)

Mixing ratio : 3 : 1 in volume

Colour : grey, cream, green or others

Dry content : 100 %

Density : 1,3

Flashpoint : component A : ...248°C
component B : ...212°C

Bond strength : . on concrete : 3,5 Mpa
. on steel : 15 Mpa

Service temperature :

In air : from - 50 °C to + 130 °C

In immersion : 80 °C(water)

Shrinkage : nil

Tensile strength : 20 Mpa

Elongation : 60 %

Shore hardness A : 95

Pot Life : 23 mn

Resistance to compression : 113 Mpa

Permeability to chlorides : < 6 coulombs
ASTM C 1702

Permeability to water : no penetration
DIN 1048

Resistance to salt spray : 2 000 hours
ASTM B117
ASTM D1654

Resistance to back pressure: 1 Mpa