

TECHNICAL DATA

SOUPLETHANE N 6

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

Application :

- . waterproofing of pools storing nuclear effluents, sewers-treatment of wastes, walls, ceilings, nuclear tanks, silos, hoppers, tanks, chemical retentions.
- . fixing contamination in contaminated rooms.

Technical properties :

- . *decontaminatable* coating : 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 :

- . sprayed through high pressure twin component airless spraying equipment
- . can be applied in one continuous coat 5 mm thick without sagging.

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 at 20°C : 1 mn

Packaging and storage :

- in 200 l drums
- storage: 12 months under shelter

Technical characteristics :

Nature of polymer : Polyurea-urethane

Number of components : 2 (without solvent)

Mixing ratio : 3 : 1 en 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 : 1 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