

TECHNICAL DATA

SOUPLETHANE 6

two component polyurethane resin , solventless, making a waterproofing liquid membrane , anti-corrosion or floor coating protection.

Application :

.waterproofing of pools , sewage treatment units of city or industrial wastes, walls, storage tanks for nuclear wastes , silos, hoppers, tanks, asbestos cement roofs, chemical containment tanks , waterproofing on geo textiles.

Technical properties :

- . *waterproofing film*, without joints and without holidays
- . *good resistance to mechanical shocks*
- . *can bridge cracks up to 3,5 mm in concrete* 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)
- . *good resistance to corrosion* (Ph from 1 to 13)
- . *good resistance to thermal shocks* (from – 50°C to + 130°C)

Application techniques :

- . spraying through high pressure twin component airless spraying equipment
- . possible application in one coat without sagging of 5 mm or more if necessary.

Application parameters :

- . viscosity of component A : 5 500 cps
- . viscosity of component B : 400 cps
- . components temperature :
 - component A : 35°C
 - component B : 20°C
- . pressure : 180 / 200 bars
- . pot life at 20°C : 1 mn

Packaging :

- in drums of 200 l

storage (shelf life) : 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 : 1 mn

compression strength : 113 Mpa

Chlorides permeability : < 6 coulombs
ASTM C 1702

Water permeability : no penetration
DIN 1048

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

Resistance to back pressure : 1 Mpa