

TECHNICAL DATA

SOUPLETHANE 6 SP

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

Application :

. external coating of buried pipes, of submerged pipes.

Technical properties :

. Waterproof *film*, without joints and without pinholes or 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: 12 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 :

. sprayed through high pressure twin component airless spraying equipment

Application parameters :

. component A viscosity : 6 500 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 :

. 200 l drums

. 20 l pails

Storage time : 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 : 1,34

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 à + 130 °C

In immersion : 95 °C (water)

Shrinkage : zero

Tensile strength : 175 kg/cm²

Elongation : 35 %

Shore hardness D : 70

Pot Life : 1 mn

compression strength: 108 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