

TECHNICAL DATA

SOUPLETHANE 5 COR

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

Application :

. waterproofing of pools storing chemical effluents, chemical retentions, storage tanks of chemical products.

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 :

. applied by normal brushing techniques

. sprayed through high pressure twin component airless spraying equipment

application parameters :

. component A viscosity : 4 000 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 : 23 mn

Packaging :

. 200 l drums

. 20 l pails

Storage : 12 months under shelter

Technical characteristics :

Nature of polymer : Polyurea-urethane

Components number : 2 (without solvent)

Mixing ratio : 2 : 1 in volume

Colour : grey, cream, green or others

Dry content : 100 %

Density : 1,1

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: 95 °C (water)

Shrinkage : zero

Tensile strength : 22 Mpa

Elongation : 65 %

Shore hardness D : 72

Pot Life : 23 mn

Compression strength : 113 Mpa

Chlorides permeability : < 6 coulombs
ASTM C 1702

Water permeability : no penetration
DIN 1048

Resistance to salt spray : 2000 hours
ASTM B117
ASTM D1654

Resistance to back pressure: 1 Mpa