

TECHNICAL DATA

SOUPLETHANE 5 FA

Two component polyurethane resin without solvent making a waterproofing liquid membrane, anti-corrosion or floor coating protection.

Application :

. waterproofing of water tanks, internal coating of concrete or steel canalizations carrying potable water.

Technical properties :

. Waterproofing *film*, without joints and without pinholes
. *good resistance to mechanical shocks*
. *can bridge cracks in concrete up to 3,5 mm* for a 2 mm thick film.
. contact with food approved (*CRECEP qualification*)
. *good bonding to any substrate*(concrete : 3 Mpa, steel : 7 Mpa without primer)
. *good resistance to corrosion* (chlorinated water, ozone)
. *resistant to thermal shocks* (hot water up to 90°C)

Application techniques :

. applied by roller or brush
. 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 :

. 20 l pails
. 200 l drums

Storage : 12 months under shelter

Technical characteristics :

Nature of polymer : Polyurea-urethane

Number of components : 2 (without solvent)

Mixing ratio : 2 : 1 in volume

Colour : cream, translucent

Dry content : 100 %

Density : 1,1

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

Bond strength : . on concrete : 3,5 Mpa
. on steel : 7 Mpa

Temperature in service :
In air : from - 50 °C to + 130 °C
In immersion : 95 °C

Shrinkage : zero

Tear strength : 21 Mpa

Elongation : 55 %

Shore hardness D : 70

Pot Life : 23 mn

Resistance to compression : 108 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