

Synthetic Waterproofing Membrane

DESCRIPTION

TamSeal 2200 PVC is a homogenous unreinforced synthetic membrane. It is produced by co-extrusion process from polyvinylchloride (PVC), plasticisers and additives. One side of the membrane is yellow, another side is black. Yellow signal layer allows detection of damages of waterproofing in the process of construction. The product is not UV-resistant.

KEY BENEFITS

- › High dimensional stability, puncture and tear resistance
- › Highly reactive adhesive that ensure full and high adhesion to concrete surface
- › No protection required
- › Can be used a barrier to gas, water and moisture.
- › Versatile in area of uses and suitable for different soil conditions
- › Weather resistant
- › Strong resistant to industrial chemicals

TYPICAL APPLICATIONS

- › Tunnels
- › Underground structures

TECHNICAL DATA

TamSeal 2200 PVC	
Thickness (mm) EN1849-2	2.00 ± 5%
Tensile strength (N/mm ²) UNI EN ISO 527-3	≥ 17
Elongation at break (%) UNI EN ISO 527-3	≥ 300
Aeric mass (kg/m ²) EN1849-2	2.70 ± 0.05
Resistance to impact (mm) UNI EN 12691	≥ 2000
Resistance to tearing EN Iso 12310-2	≥ 200
Static pucture (kN) EN ISO 12236	≥ 3

Resistance to Tearing (kN/m) ISo 34-1 Method B	≥ 50
Peel resistance of joint (N/50mm) EN12316-2	≥ 400
Deformation to the warm (Long,Trasv) (%) EN 1107-02	< 2 %
Water permeability UNI EN 14150	< 10 ⁻⁶ m ³ /m ² /d
Absorbability (7 days in water) (%) UNI EN ISO 62	≤ 1
Cold bending (°C) EN 495-5	≤ - 40
Watertightness (1 Mpa for 24 h) UNI EN 1928	No dripping or water loss
Resistance to oxidation (%) UNI EN 14575-UNI EN ISO 527/3: 90 days at 85°C	Tensile Strength Retained: ≥ 90 Elongation at Break Retained: ≥ 90
Resistance to acid solutions H2SO3 (%): DIN 16726 5.18 (28 days at 23°C)	Change of tensile strength: ≤ - 10 Change of elongation at break: ≤ - 10 Folding at T of -20°C: No break or crack
Resistance to salt solutions (NaCl) (%): DIN 16726 5.18 (28 days at 23°C)	Change of tensile strength: ≤ -10 Change of elongation at break: ≤ - 10 Folding at T of -20°C: No break or crack
Resistance to Alkaline solution Ca(OH) ₂ : DIN 16726 5.18 (23 days at 23°C)	Change of tensile strength: ≤ - 10 Change of elongation at break: ≤ - 10 Folding at T of -20°C: No break or crack

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.

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Resistance to heat DIN 16726 5.13	General appearance	No visible changes
	Dimensional stability (6h, 80°C)	≤ - 3
	Change of tensile strength (7 days, 80°C)	≤ - 10
	Change of elongation at break (7days,80°C)	≤ - 10
	Folding at T - 20°C	No break of crack
Burst strength (kPa%) DIN 61551	Stress ≥ 6000 kPa Strain ≥ 50 %	
Fire resistance UNI EN ISO 11925-2	E Class	
Root resistance UNI CEI/TS 14416	Conform	
Shear resistance when applied with bituminous (N/50mm) DIN 16726 5.10	≥ 600	
Compressive strength at 200% strain (N/mm ²) UNI EN ISO 604	≥ 4	
Resistance to weathering (%) EN 12224 UNI EN ISO 527-3	Tensile strength Retained: MD97%, CD98% Elongation at break retained: MD99%, CD99%	
Product conform to the norm EN 13491 and EN 13967		

PACKAGING

TamSeal 2200 PVC are delivered on wooden pallets. Every roll is wrapped in non-transparent polyethylene film, which protects them from UV radiation.

STORAGE

TamSeal 2200 PVC should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of one year can be expected.

TamSeal 2200 PVC rolls should be kept in dry enclosed space, placed horizontally, no more than three rows in height, in original package.

HEALTH & SAFETY

TamSeal 2200 PVC should only be used as directed. We always recommend that the Safety Data Sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety data sheet is available upon request from your local Normet representative.

All technical data state herein is based on tests carried out under laboratory conditions.