



IMPERVIOUS WATERPROOFING®

TECHNICAL DATA SHEET

IMPETHANE® SP

IMPETHANE® SP is a solvent-free, thixotropic coating composed of two components and formulated with high-quality elastomeric polyurethane resins. Upon polymerisation, it forms a robust, flexible and hydrophobic membrane, well-suited for waterproofing and providing protection. This coating is particularly recommended for safeguarding against flashing and waterproofing tanks. Notably, it has received certification for application in potable water tanks, and additional details can be obtained upon request from our technical department.

APPLICATION

Begin the preparation process by cleaning the surface, preferably using a jet of water. Eliminate any oil, grease and wax contaminants. Additionally, remove cement laitance, loose particles, mold release agents and cured membranes. Smooth out surface irregularities by filling them with IMPESEAL™.

For priming, use IMPEPRIME™ DPM primer. Once the primer has fully cured, proceed to seal cracks, holes and the edges of the tank walls and floor with IMPESEAL™.



👍 FEATURES & BENEFITS

- Excellent adhesion on almost any substrate.
- Solvent-free, can be applied in closed spaces.
- Extremely hydrophobic and hydrolysis resistant.
- Certified for potable water tanks.
- Wide working temperature range: -40°C to 90°C.

👍 RECOMMENDED FOR

- Water tanks made of concrete/steel reinforced concrete or otherwise, steel or other material.
- Prefabricated concrete tanks.
- Drinking water tanks.
- Tanks with wall movement due to expansion and contraction.



RECOMMENDATION

Use a low speed (300rpm) mixer to ensure product is fully combined before application.

SPECIFICATIONS

(IN LIQUID FORM)

Property:	Units:	Comp A (Hardener):	Comp B (Resin):
Form:	-	Liquid	Thixotropic Paste
Viscosity (cP):	ASTM D2196-86, at 25°C	15,000 – 20,000	
Specific Weight:	ASTM D1475/DIN 53217/ISO 2811 at 25°C	1.20-1.25	1.40-1.50
Solid Residue:	%	100	100
Recoat Time:	Hours	6-24	
Pot Life @ 25°C	Mins	20-30	

(IN CURED FORM)

Service Temp (°C):	-	-40 to 90
Hardness (Shore D):	ASTM D2240 / DIN 53505 / ISO R868	> 40
Elongation at break (%):	ASTM D412	> 100
Tensile strength: Kg/cm2 (N/mm2)	ASTM D412	200 (20)
Water absorption (%):	DIN 53495	< 0.5
Adhesion to concrete: Kg/cm2 (N/mm2)	ASTM D4541	20 (2)



TECHNICAL DATA

COLOUR: RAL 9001 (off-white),

DRYING TIME: Tack-free in 6 hours. Curing time of 6-24 hours (temperature dependent). Do not exceed 48 hours between coats. If more time passes (+3 days) or if you are unsure about adhesion, contact our technical team. They will be able to advise you on which primer to use. Ensure surface is dry before doing so.

CLEANING: : Firstly, clean all equipment with paper, then use solvent. Rollers will not be re-usable.

SHELF LIFE: Can be kept for 12 months minimum in original unopened pails.

STORAGE: Ensure pails are stored in dry places and at temperatures between 5-25°C. Once opened, use as soon as possible.

MINIMUM CONSUMPTION RATES



CONTACT US



APPLY PER COAT WITH MINIMUM CONSUMPTION:
00.7 KG/M2 PER COAT

PACKAGING



CONTACT US



• 9KG • 24KG

SAFETY INFORMATION:

CONTAINS VOLATILE FLAMMABLE SOLVENTS. APPLY IN WELL-VENTILATED, NO SMOKING AREAS, AWAY FROM NAKED FLAMES. IN CLOSED SPACES USE VENTILATORS AND CARBON ACTIVE MASKS.

KEEP IN MIND THAT SOLVENTS ARE HEAVIER THAN AIR SO THEY FLOAT NEAR THE FLOOR. THE MSDS IS AVAILABLE ON REQUEST.



IMPERVIOUS WATERPROOFING®

WORLD-LEADING POLYURETHANE LIQUID WATERPROOFING

Visit our website to view product application guides and data sheets for our full range of products.

COMPANY DETAILS

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