



# POLYCLEAR

ONE COMPONENT UV STABLE  
TRANSPARENT POLYURETHANE MEMBRANE

## Product Overview

TWS Polyclear is a one component hard- elastic, high solid, aliphatic polyurethane transparent liquid membrane with excellent UV resistance used for long lasting waterproofing coatings, subject to public pedestrian and light traffic areas. It cures with the humidity in the atmosphere to produce a transparent membrane with uniform adhesion over the entire surface. It does not yellow/discolour when exposed to sunlight. It is based on aliphatic polyurethane resin, which results in excellent mechanical, chemical, thermal, UV and natural element resistance properties.

## Product Features

- Strong and uniform adhesion on almost any type of surface
- Excellent UV resistance
- It does not discolour when exposed to sunlight
- Simple application (roller or brush)
- When applied forms seamless membrane without joints
- Provides water vapor permeability, so the surface can breathe
- Provides excellent adhesion to almost any type of surface
- Provides excellent adhesion to ceramic tiles and glazed surface
- The waterproofed surface can be used for domestic pedestrian traffic

## Typical Applications

- Surfaces exposed to high abrasion
- Public pedestrian and light traffic areas
- Stadiums
- Over exposed car parks
- Waterproofing of surfaces exposed to heavy wear conditions

## General Application Details

Clean the surface using a high pressure washer, and remove oil, grease and wax contaminants, cement laitance, loose particles, mould release agents must be removed. Fill surface irregularities with the necessary product. Apply the PolyClear onto the primed surface in a two coat application. Finish product thickness should be greater than 1.5mm thick and for high traffic areas a minimum of 2mm is required.

## Important Notes

- Pails can be stored in dry and cool rooms for up to 12 months from manufactured date
- Protect the material against moisture and direct sunlight
- Storage temperature 5°-30°C

## Safety Measures

Contains isocyanates. See information supplied by the manufacturer. Please study the Safety Data Sheet.

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 creep on the floor. Please refer the to MSDS (Material Safety Data Sheet) for more information.



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## Packaging

- 20kg Pail
- 5kg Pail
- 1kg Pail

Pails should be stored in a dry and cool rooms for up to 12 months from manufacture date. Protect the material against moisture and direct sunlight. Packages should be stored upward.

General Technical Data		
Property	Results	Test Method
Hardness (Shore D Scale)	40 shore D	ASTM D 2240
Elongation At Break	£ % 300	ASTM D 412 / DIN 52455
Tensile Strength	> 30 N/mm <sup>2</sup>	ASTM D 412 / DIN 52455
Adhesion to Concrete	£ 2N/mm <sup>2</sup>	
Service Temperature	-40 °C to +80 °C	
Gloss retention (after 2000 hours)	VERY GOOD	DIN 67530

## Contact Details

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### Product disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Total Waterproofing Supplies does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.