



WHITECHEM PU DF 25

1 – DESCRIPTION

WHITECHEM PU DF 25, self-leveling polyurethane sealant ideal for horizontal applications. Its elasticity allows it to absorb continual movements of the structure caused by thermal changes without problems of cracking.

2 – PROPERTIES

- Two component
- Easy to mix
- Fast cure
- Self-leveling consistency, easy to apply in horizontal joints
- Possesses permanent elasticity
- High adhesion strength
- Capable of $\pm 25\%$ joint movement
- Paintable

3 - APPLICATIONS

- Used for sealing of horizontal joints
- Interior and exterior
- Expansion joints between many different construction materials
- Industrial floors
- Driveways/Garages
- Sidewalks

Meets the requirements of **ISO 11600 F 25 LM**

4- INSTRUCTIONS

- Before application, be sure that joint surfaces are clean, dry and free of all contamination.
- Apply sealant evenly, If necessary, use masking tape and remove the tape while the sealant is still soft.
- Pour entire contents of Component B into pail of Component A.
- Mix for 5-10 minutes to achieve a uniform color and consistency with a low speed drill (400-600 rpm).
- Avoid entrapment of air during mixing.
- Apply sealant in 15 minutes.



- Joint dimension should allow for 6 mm minimum and 12 mm maximum thickness for sealant.
- Proper design is 2:1 width to depth ratio.
- If necessary, use back up material to adjust joint depth.

Yield (approx.)

Linear Meter of Sealant per Kilogram

mm		Width				
		6	12	18	25	32
Depth	6	1350	675	450	324	253
	12	2700	1350	900	648	506

5- PACKAGING

Product	Weight
Component A	6 kg
Component A	10 kg
Component B	3 kg
Component B	5 kg

6- STORAGE AND SHELF LIFE

9 months if stored in its original package, away from direct sunlight and moisture, between +10 °C and +25 °C .

7- RESTRICTIONS

- Avoid application below +5 °C and above +35 °C.
- Do not apply on frozen or wet surfaces or through standing water.
- Do not cure in the presence of curing silicones.
- Minimum depth is working joint is 6 mm.
- Maximum expansion and contraction should not exceed 25% of average joint width.
- Avoid exposure to high levels of chlorine.



8- TECHNICAL PROPERTIES

BEFORE MIXING

Component A (Base)

Consistency	: Paste
Density	: 1.55±0.02 g/ml
Color	: White

Component B (Curing Agent)

Consistency	: Liquid
Density	: 1.00±0.01 g/ml
Color	: Black

AFTER MIXING-CURING

Mixing Ratio	: 2:1 A:B (by weight)
Basis	: Polyurethane
Colour	: Grey
Consistency	: Self-leveling
Density	: 1.35±0.02
Tack free time	: 60 min. (23°C %50 R.H)
Curing Rate	: min. 3 mm/day (23°C %50 R.H)
Elongation at Break	: ≥250% (ASTM D412)
Tensile Strength	: 0,75-1,0 N/mm ² (ASTM D412)
Shore A - Hardness	: 25±5 After 28 days (ASTM C661)
Paintable	: Yes*
Application Temperature	: +5°C to +35°C

*Considering the diversity of paint base and quality, compatibility tests should be done before application