



# Mapeflex<sup>®</sup> P2 SL

## Two-Component, Self-Leveling, Polyurethane Sealant



### DESCRIPTION

*Mapeflex P2 SL* is a two-component, self-leveling, polyurethane, elastomeric sealant that meets the requirements of ASTM C920.

### FEATURES AND BENEFITS

- Two-component
- Provides a chemical cure
- Pre-pigmented
- Self-leveling for easy application to horizontal concrete
- Traffic-bearing
- Has the capability of +50% joint movement after curing

### INDUSTRY STANDARDS AND APPROVALS

- ASTM C920-14 (Type M; Grade P; Class 25; Uses T<sub>1</sub>, NT, M, G, A and O)

### WHERE TO USE

- Concrete driveways
- Elevated concrete decks
- Sidewalks

### LIMITATIONS

- Do not install in joints greater than 2" (5 cm) in width.
- Air, material and substrate temperatures during application must be between 40°F and 95°F (4°C and 35°C).

- *Mapeflex P2 SL* is self-leveling and will flow to the lowest point of installation. Use of *Mapeflex P2 NS* may be required for areas with a slope.

Consult MAPEI's Technical Services Department for installation recommendations regarding any substrates and conditions not listed.

### SURFACE PREPARATION

- The joint walls should be clean and free of bond-breaking materials (such as dirt, wax, form-release compounds, oil, tar, etc.).
- Press a backer rod into each joint to allow a depth that is half the thickness of the joint.

### MIXING

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.

1. Pre-stir Part A mechanically with a drill and paint mixer.
2. Cut the Part B pouch and slowly add its contents to Part A.
3. Mix continuously until a homogenous color and consistency are achieved.

### PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Pour *Mapeflex P2 SL* from mixing container into the joints, or use a bulk-load caulk gun to install the sealant into the joints.
2. Do not overfill joints.
3. Allow *Mapeflex P2 SL* to level. More material may be needed to fill the entire joints.
4. Allow to cure.



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## Product Performance Properties – material and curing conditions at 73°F (23°C) and 50% relative humidity

Laboratory Tests	Results
Tensile strength – ASTM D412	280 psi (1.93 MPa)
Elongation at break – ASTM D412	300%
Stress at 100% – ASTM D412	217
Staining and color change – ASTM C510	Passes (no visible stain)
Extrusion rate 3 hours after mixing – ASTM C1183	Passes 30 mL/min
Hardness, Shore A – ASTM 661	39
Tack-free time – ASTM C679	8 to 10 hours
Bond durability on aluminum and concrete – ASTM C719	+/-25%
Weight loss after heat aging – ASTM C1246	2.5%
Cracking and chalking after heat aging – ASTM C1246	None
Artificial weathering Xenon arc, 250 hours – ASTM C793	Passes
Adhesion in peel on aluminum and concrete – ASTM C794	> 30 N
Adhesive bond loss – ASTM C794	Zero
Rheological (flow) – ASTM C639	Passes
VOCs (Rule #1168 of California's SCAQMD)	43 g per L
Final cure	About 3 days

## Packaging and Shelf Life

Size	Shelf Life
Kit: 1.5 U.S. gals. (5.68 L)	1 year when stored in original, unopened packaging at 73°F (23°C)
Kit: 3 U.S. gals. (11.4 L)	
Kit: 4.5 U.S. gals. (17.0 L)	

Refer to the SDS for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact [sustainability\\_USA@mapei.com](mailto:sustainability_USA@mapei.com) (USA) or [sustainability-durabilite@mapei.com](mailto:sustainability-durabilite@mapei.com) (Canada).

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**MAPEI Headquarters of North America**  
1144 East Newport Center Drive  
Deerfield Beach, Florida 33442  
1-888-US-MAPEI (1-888-876-2734) /  
(954) 246-8888

**Technical Services**  
1-888-365-0614 (U.S. and Puerto Rico)  
1-800-361-9309 (Canada)  
**Customer Service**  
1-800-42-MAPEI (1-800-426-2734)

**Services in Mexico**  
0-1-800-MX-MAPEI (0-1-800-696-2734)  
**Edition Date:** November 17, 2022  
MK 3000109 (22-3027)