



# Planiseal<sup>®</sup> HG

**Clear, High-Gloss,  
100%-Solids, Epoxy Sealer**

**FOR  
PROFESSIONAL  
USE ONLY**



## DESCRIPTION

*Planiseal HG* is a solvent-free, moisture-tolerant, 100%-solids, clear, high-gloss, two-component, epoxy sealer suitable for sealing concrete.

## FEATURES AND BENEFITS

- High gloss enhances colors
- Easy installation
- Low in VOCs
- Effectively impermeable when cured

## WHERE TO USE

- For interior use only

## SUITABLE SUBSTRATES

- Fully cured and prepared concrete
- Surfaces that have received epoxy coatings

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

## SURFACE PREPARATION

- Mechanically prepare to an International Concrete Repair Institute (ICRI) concrete surface profile (CSP) of #2.
- Thoroughly clean the surface of substances that could affect the bond, including dirt, paint, tar, asphalt, wax, oil, grease, latex compounds, form release agents, laitance, loose toppings, foreign substances and any other residues.

## MIXING

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

1. Precondition material to between 65°F and 85°F (18°C and 29°C) before use.
2. Mechanically mix Part A with Part B at a 2:1 ratio by volume with a Jiffy type of mixer and a low-speed variable drill at 300 rpm for at least 3 minutes. Mix only full units.

## PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. After mixing, immediately spread the material on the floor to maximize working time (do not leave material in the pail).
2. Apply *Planiseal HG* neat, using a notched squeegee to spread the material.
3. Immediately back-roll the material with a lint-free roller to achieve the desired uniform final film thickness on the surface.
4. Allow to cure before opening to traffic.

## CLEANUP

Uncured material can be removed with an appropriate solvent. Cured material can only be removed mechanically.

## LIMITATIONS

- Use at between the temperatures of 60°F and 95°F (16°C and 35°C).
- For temperature above 85°F (29°C), take appropriate precautions to keep material cool.

# Planiseal HG

- No additional ingredients are required. Do not thin *Planiseal HG* with solvents.
- Not for use across moving joints, sealing joints or cracks
- Not for use on concrete with a moisture vapor emission rate (MVER) greater than 3 lbs. per 1,000 sq. ft. (1.36 kg per 92.9 m<sup>2</sup>) in 24 hours per ASTM F1869
- Do not install over any substrates containing asbestos.

## Product Performance Properties

Laboratory Tests	Results
Brookfield viscosity RV3 at 20 rpm – ASTM D2393	1,200 cps
VOCs (Rule #1113 of California's SCAQMD)	< 10 g per L

## Shelf Life and Application Properties

Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C)
Mixing ratio	2 to 1 (Part A to Part B) by volume
Gel time – ASTM D2471	55 minutes
Tack-free time	Typically 6 hours
Full cure	48 hours at 73°F (23°C)
Time before allowing vehicular traffic	72 hours
Storage conditions	40°F to 90°F (4°C to 32°C)

## CSI Division Classification

Traffic Coatings	07 18 00
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## Packaging

Size
Kit: 3 U.S. gals. (11.4 L)
Two units of Part A = 1 U.S. gal. (3.79 L) each
One unit of Part B = 1 U.S. gal. (3.79 L)

## Approximate Coverage\*

Thickness	Coverage
At 6 mils	120 to 140 sq. ft. per U.S. gal. (2.94 to 3.43 m <sup>2</sup> per L)

\* Coverage will vary depending on profile of surface.

## Chemical Resistance

Planiseal HG is resistant to temporary exposure to the following chemicals. Avoid prolonged exposure to chemicals.

Acetic acid 20%	Ammonia 10%	Caustic soda 30%
Cement water	Citric acid	Detergents (e.g., liquid Ajax)
Distilled water	Ethanol/water 60/40	Fuel oil (Empa)
Hydraulic fluids (Arco-safe-Skydrol)	Hydrogen peroxide 5%	Iron (III) chloride 1.35%
Iron (II) sulphate 35%	Javelle water (bleach) 14%	Lactic acid 20%
Motor oil	Sodium chloride solution	Sodium sulphite solution
Tartaric acid 20%	Toluene	Transmission fluid

# Planiseal HG



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).

## LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at

[www.mapei.com](http://www.mapei.com). **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use,

and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

We proudly support the following industry organizations:



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