

# PPG SANISHIELD™ 3000/5000

High-build, seamless, fast-curing, flexible polyurea system



PPG SANISHIELD 3000/5000 is a high-build, flame-resistant coating system for high-performance facility applications and interior building surfaces. This aromatic polyurea high-build base coat in combination with an aliphatic polyurea finish coat offers a fast return to service, ease of cleaning and a high degree of flexibility. Designed for tough to coat places like transition zones, cracks and porous substrates, PPG SANISHIELD 3000/5000 stands up to frequent wash downs with many harsh chemicals including cleaning agents, sanitizers and disinfectants.

Application areas for food processing plants\*:

- Walls
- Ceilings
- Storage

*\*not for equipment*



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PPG SANISHIELD 3000/5000 is an effective, easy to clean coating alternative to fiberglass and stainless steel wall systems. With an extremely fast cure and high film build compared to conventional coatings, it allows for short shutdown interruptions and provides a smooth finish. This coating system is ideal for walls and ceilings in cold storage, food processing plants and pharmaceutical facilities. It's engineered to prevent issues like peeling paint, flaking rust, and porous substrates and can stand up to frequent cleaning.

## Physical properties

Property	PPG SANISHIELD 3000	PPG SANISHIELD 5000
Elongation (%) ASTM D-412	170 - 270	40 - 60
Flame spread and smoke development index tested to ASTM E-84; in accordance with International Building Code (IBC) and NFPA 101® Life Safety Code®	Class A or Class 1	Class A or Class 1
Abrasion Resistance (mg. loss, CS-17 wheel, 1 kg. load) ASTM D-4060	38	32.9
Hardness (Shore D) ASTM D2240	60 - 65	68 - 74
Weathering, % Loss of Gloss Xenon ASTM D7869-13	N/A	1% after 1,000 hours
Mandrel bend ASTM D-522 or ASTM D1737	40 mils DFT - No crack	20 mils DFT - No crack
Tear Resistance, pli (N/mm) ASTM D-624	410 - 573 (71.2 - 100.3)	354 - 577 (62.0 - 101.0)
VOC's, lb/gal (g/L) EPA Method 24	0.140 (16.776)	0.0137 (1.642)
Impact Resistance, 43.4 in-lb (50,000 cm-g) ASTM D-256 or G-14	No Cracking	No Cracking

## Key benefits



**Fast Drying**  
Quick re-coat times, fast return-to-service



**Easy Maintenance**  
Wipes clean and maintains bright appearance



**Flexibility**  
Limits need for sealants



**Chemical Resistance**  
Resistant against many cleaning agents and disinfectants



**Outstanding Abrasion Resistance**  
Keeps a high gloss appearance



**Flame Resistance**  
Class A rated  
Tested to ASTM E-84



**Approved**  
Coatings are suitable for incidental food contact applications



**Ultra-Low VOC**  
Low VOC formulation <17 g/L



**High Film Build**  
Covers porosities, improves cleanability



**Excellent Color Gloss Retention**  
Bright white surface



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