

# Crystic Gelcoat 967 Excel

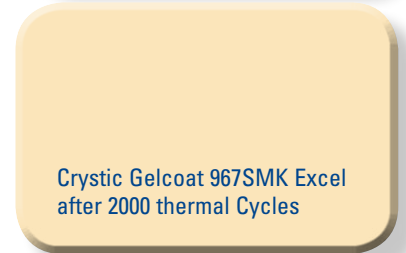
Scott Bader has spent significant time and money in Research and Development to bring you a market leading iso-NPG spray gelcoat for sanitaryware applications designed to offer superior technical performance.

## Technical Performance Benefits

- *This new formulation eliminates the industry problem of microporosity usually exposed after abrasion of the gelcoat.*
- *967 Excel has improved flow without sagging to prevent costly repairs.*
- *Initial gloss is noticeably better than competitive sanitaryware gelcoats which means less polishing is required and an enhanced surface finish is achieved.*
- *At least 40% increase in thermal resistance compared to competitive sanitary gelcoats proven in a severe thermal shock test.*
- *Quick cure – faster production cycle times.*
- *Excellent chemical resistance.*
- *Passes sanitaryware standard test NF XPD12-210 for good stain resistance.*



Leading competitive gelcoat after 1200 thermal cycles



Crystic Gelcoat 967SMK Excel after 2000 thermal Cycles

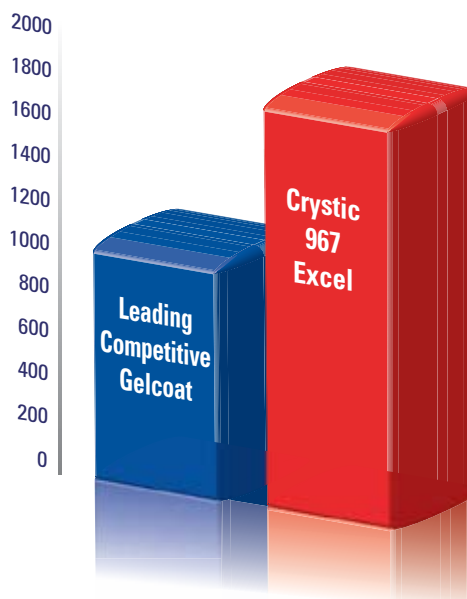
## Thermal Shock Resistance

In a rigorous thermal shock resistance test, Crystic 967 Excel completed 2000 thermal cycles without any evidence of surface degradation. A leading competitive gelcoat revealed a damaged surface finish after 1200 thermal cycles.

### Steps Within One Thermal Cycle in Test

*90 seconds flow\* with hot water at 75°C  
30 seconds dwell time  
90 seconds flow\* with cold water at 15°C  
30 seconds dwell time*

\*Flow rate : 4 litres/minute



The graph demonstrates 967 Excel provides significantly better thermal shock resistance than a leading competitor gelcoat.

## Product Range

### Crystic Gelcoat 967SMK Excel

for airless spray equipment applications

### Crystic Gelcoat 967K Excel

for gravity gun applications

### Crystic Microban Gelcoat 967SMK Excel

for applications requiring antibacterial protection against common bacteria and fungus

### Crystic Gelcoat 997SMK

for applications requiring a water clear chemical resistant gelcoat

## Applications :

The specially designed formulation makes Crystic Gelcoat 967 Excel an ideal choice for demanding sanitaryware applications where surface quality and long-term performance is essential.

- Bathroom sinks
- Baths
- Shower trays
- Shower cabins

### Sanitaryware Markets

- Domestic and commercial properties
- Hospitals
- Hotels
- Public Buildings
- Luxury Yachts
- Cruise liners



*A leading European sink manufacturer has chosen 967 Excel as it has outstanding thermal shock resistance compared to competitive products and has zero microporosity after abrasion of the gelcoat.*

### Mechanical Data for Gelcoat 967 Excel in Cured State

Product	967 Excel	Leading Competitive Gelcoat
Tensile Elongation	3	2
Tensile Strength	70	64
Tensile Modulus	3400	3800
Barcol Hardness	45	45
HDT (1.80MPa)	90	83

### Physical Data for Gelcoat 967 Excel in Liquid State

Product	967 Excel
Viscosity @ 2.5rpm (dPas)	300
Thixotropic Index	6
Specific Gravity	1.18
Geltime 2% Catalyst M @ 25°C (mins)	8

For more information or technical advice on this new gelcoat or on any Crystic resins, gelcoats, bonding pastes, Crestapol resins or Crestomer structural adhesives, please contact us as detailed below.

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