



Data Sheet: easy-on+ Anti Microbial Paint

Anti bacterial coating combining two leading products - easy-on™ and Akacid® plus. Akacid® plus biocide provides continuous protection from bacterial infection, MRSA, E. Coli, C. Diff and other HAI's as well as fungal growth including ESBL- producing Gram- negatives. Akacid® plus is a member of the polymeric guanidine family of disinfectants developed to enhance antimicrobial activity with significantly less toxicity.

Physical data

Colour	Opaque cream
Finish	Clear sheen
Substrates	Concrete, tile, mortar, existing coatings, plaster, brick and metals, timber, etc.
Components	2 (resin + cure)
Curing mechanism	Chemical reaction between components
Dry film thickness	25 - 50 microns
Number of coats	1 (usually)
Moisture permeability	35gm/ /24 hours
SG of mixed product	1.12 kg/L
VOC content	<8% weight
Calculated coverage	33 per litre @ 25 microns
Practical coverage	9 - 33 *

*Dependant upon application losses, surface irregularities, porosity, waste, etc

Application By brush, roller, HVLP or conventional spray equipment.

Environmental conditions Air temperature 5°C to 50°C
Surface temperature 5°C to 45°C
Material temperature 5°C to 40°C
Relative humidity >40%

To prevent condensation during application, surface temperature must be at least 3°C above dew point.

Pot life** 4 hours at 20°C





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Touch dry***	4 hours @ 20°C (@25 microns dft)
Full chemical cure****	7 days
Storage life	12 months in cool, dry place in sealed containers
Equipment Cleaner	Xylene or Gun Cleaner
Inflammable	no
Flash point	Resin > 97°C Cure > 96°C

Packaging

Resin	3,750 l in 5 litre can
Cure	0,750 ml in 1 litre can

** Pot life and touch dry times depend on temperature and quantities mixed.

*** Touch dry time depends on climatic conditions and coating thickness.

**** Do not attempt to clean the coating with any chemical until it has fully cured (7 days at 20°C)

Publications (copies available on request)

Biomedical Research Centre July 2009: Testing easy-on+ augmented with Akacid^{®plus}

Toxicon Sept 2006: Ultrastructural evidences of growth inhibitory effects of Akacid^{®plus}

Journal of Antimicrobial Chemotherapy June 2006: antimicrobial & toxicological profile of Akacid^{®plus}

Applied and Environmental Microbiology June 2006: Validation of Akacid^{®plus} as a room disinfectant

Journal of Hospital Infection Nov. 2005: In vitro antimicrobial activity of polymeric guanidine Akacid^{®plus}

European Society of Clinical Microbiology & Infectious Diseases April 2006: Room disinfection using Akacid^{®plus}

Antimicrobial Agents and Chemotherapy, Sept 2007: In Vivo Activity of Akacid^{®plus} in experimental skin infection with MRSA



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