

PRODUCT RECOMMENDATIONS

		Mineral ceilings				
		THERMATEX® Thermaclean S	THERMATEX® Aquatec Hygena	THERMATEX® Acoustic Hygena	THERMATEX® Alpha Hygena	THERMATEX® Schlicht Hygena
Product type	System	System C	System C	System C	System C	System C
	Material	Mineral fibre	Mineral fibre	Mineral fibre	Mineral fibre	Mineral fibre
	Surface	Vinyl film laminated	Fleece laminated	Fleece laminated	Fleece laminated	Paint coated
Special hygiene properties	Clean room classification ISO 14644-1	ISO 3	ISO 3	ISO 4	ISO 4	ISO 4
	Room classification as per NF S 90-351	Zone 1 - Zone 4	Zone 1 - Zone 4	Zone 1 - Zone 4	Zone 1 - Zone 4	Zone 1 - Zone 4
	Decontamination class as per NF S 90-351	CP _(0,5) 5	CP _(0,5) 5	CP _(0,5) 5	CP _(0,5) 5	CP _(0,5) 5
	Bacteriological cleanliness class as per NF S 90-351	M1	M1	M1	M1	M1
	Biocidal or fungicidal effect as per NF S 90-351	Escherichia coli Aspergillus niger Stahpylococcus aureus MRSA Candida albicans	Escherichia coli Aspergillus niger	Escherichia coli Aspergillus niger Stahpylococcus aureus MRSA Candida albicans	Escherichia coli Aspergillus niger Stahpylococcus aureus MRSA Candida albicans	Escherichia coli Aspergillus niger Stahpylococcus aureus MRSA Candida albicans
	Biocidal or fungicidal effect as per other standards	-	as per ASTM G21 / G22 ISO 846:1997 ISO 22196 JIS Z 2801	as per ASTM G21 / G22 ISO 846:1997 ISO 22196 JIS Z 2801	as per ASTM G21 / G22 ISO 846:1997 ISO 22196 JIS Z 2801	as per ASTM G21 / G22 ISO 846:1997 ISO 22196 JIS Z 2801
General hygiene properties	Cleaning (max.) as per cleaning guidelines	Wet cleaning	Pressure cleaning	Damp cleaning	Damp cleaning	Damp cleaning
	Resistance to disinfection agents as per DIN 53168	<ul style="list-style-type: none"> • Biguacid S (active agents: Didecylidimethylammonium chloride, Polyhexanide) • Incidin Active (active agent: peracetic acid) • Kohrsolin FF (active agents: glutaral, Benzyl-C12-18- alkylidimethylammonium chloride) • Mikrozid AF (active agents: ethanol, 1-propanol) • Desinfect Surface (active agent: sodium hypochlorite) • Reference agent didecylidimethylammonium chloride • Reference agent carcoat • Reference agent glutaral • Reference Hydrogen peroxide • Isopropanol • Ethanol • Formalin • Ultrapure water • Hydrochloric acid (5%) • Caustic soda 	<ul style="list-style-type: none"> • Biguacid S (active agents: Didecylidimethylammonium chloride, Polyhexanide) • Incidin Active (active agent: peracetic acid) • Kohrsolin FF (active agents: glutaral, Benzyl-C12-18- alkylidimethylammonium chloride) • Mikrozid AF (active agents: ethanol, 1-propanol) • Desinfect Surface (active agent: sodium hypochlorite) • Reference agent carcoat • Reference agent glutaral • Reference Ethanol • Reference Hydrogen peroxide • Isopropanol • Acetone 	<ul style="list-style-type: none"> • Biguacid S (active agents: Didecylidimethylammonium chloride, Polyhexanide) • Incidin Active (active agent: peracetic acid) • Kohrsolin FF (active agents: glutaral, Benzyl-C12-18- alkylidimethylammonium chloride) • Mikrozid AF (active agents: ethanol, 1-propanol) • Desinfect Surface (active agent: sodium hypochlorite) • Reference agent carcoat • Reference agent glutaral • Reference Ethanol • Reference Hydrogen peroxide • Isopropanol • Acetone 	<ul style="list-style-type: none"> • Biguacid S (active agents: Didecylidimethylammonium chloride, Polyhexanide) • Incidin Active (active agent: peracetic acid) • Kohrsolin FF (active agents: glutaral, Benzyl-C12-18- alkylidimethylammonium chloride) • Mikrozid AF (active agents: ethanol, 1-propanol) • Desinfect Surface (active agent: sodium hypochlorite) • Reference agent carcoat • Reference agent glutaral • Reference Ethanol • Reference Hydrogen peroxide • Isopropanol • Acetone 	<ul style="list-style-type: none"> • Biguacid S (active agents: Didecylidimethylammonium chloride, Polyhexanide) • Mikrozid AF (active agents: ethanol, 1-propanol)
	Air permeability class of the tile DIN 18177	PM 1	PM 1	PM 1	PM 1	PM 1
General product properties	Rel. humidity resistance	95 %	100 %	95 %	95 %	95 %
	Light reflection	glare-free, approx. 81 %	glare-free, approx. 88 %	glare-free, approx. 88 %	glare-free, approx. 88 %	glare-free, approx. 92 %
	Thermal conductivity λ_D EN 12667	0.052 - 0.057 W/mK	0.040 W/mK	0.052 - 0.057 W/mK	0.040 W/mK	0.052 - 0.057 W/mK
	Sound absorption α_W / NRC	0.10 (L) / 0.15	0.90 / 0.90	0.65 (H) / 0.70	0.95 / 0.90	0.10 (L) / 0.10
	Sound attenuation $D_{n,t,w}$ EN ISO10848-2:2006	34 dB	28 dB	38 dB	28 dB	34 dB
	Building material class EN 13501-1	A2- s3, d0	A2- s1, d0	A2- s1, d0	A2- s1, d0	A2- s1, d0
	Material thickness	15 mm	19 mm	19 mm	19 mm	15 mm
	Corrosion resistance EN 13964	-	-	-	-	-
Weight pro m ²	4.0 kg/m ²	5.2 kg/m ²	4.6 kg/m ²	3.3 kg/m ²	4.0 kg/m ²	