

# Antimicrobial Additives usage guide

	Additive	ECHA PT's	Dosage %	Pure additive	
				Working Temperature °C	Interferences
Ceramics (glazes, enamels, colors, ...)	S1.19/K1.19	10	0,5/1,0	1600/2500	Active N / alkalis
Porcelain enamels for sanitarywear	B4	10	1,0/2,0	2000	Stable
Joints, grouts, other construction materials	001ZnPy/R4.47	10	0,3/0,5	140/150	Active N / alkalis
Coatings and paints	001ZnPy/R4.47/R1.47	2/7	0,2/0,3	140/150	Active N / alkalis
Flooring	001ZnPy/R4.47/R1.47	7/9	0,2/0,3	140/150	Active N / alkalis
Powder coatings	B4	7	0,2/0,3	2500	Stable
Polyolefines (injection, film, molding...)	R1.43	9	>0,5	190/200	Active N / alkalis
Engineering plastics (injection, film, molding ...)	B4	9	>0,5	>700	Stable
Food contact plastic packaging	B0	Food contact	0,5	>700	Stable
Adhesives and sealants	001ZnPy/R4.47/R1.47	7/9	0,5/1,0	140/150	Active N / alkalis
Thermosetting materials (PES, PU, Acrílics ...)	001ZnPy/R4.47/R1.47	7/9	0,5/1,0	140/150	Active N / alkalis
Rubber and elastomeric materials	B4	9	>0,5	>700	Stable
In-can protection	001ZnPy	6	>0,01	150	Active N / alkalis
In-can protection	B4	6	>0,01	2000	Stable