

# Extir® VR A5000 AE

Expanded Polystyrene

Versalis S.p.A.

## Message:

Extir Verdi VR A5000 AE is a flame retardant expandable polystyrene in the form of spherical beads of medium-large particle size, containing pentane as blowing agent. Extir does not contain CFC or HCFC.

Extir VR A5000 AE is an improvement of A 5000 AE showing an improved thermal conductivity.

Extir VR5 A000 AE is suitable for production of low-medium density blocks for the thermal insulation sector.

Extir Verdi VR A5000 AE has an improved thermal conductivity value, specially at low density. Extir VR A5000 AE is used mainly in the construction sector where, for legislative or safety reasons, the use of a flame retardant material is required.

Typical applications are:

blocks, especially for external thermal insulation

low density elastified blocks for impact sound absorption (Trittschall)

void formers, trough formers and culvert formers cut from block

blocks or slabs for road foundations and civil construction

General Information		
Additive	Blowing Agent 2 Flame Retardant	
Features	Expandable Flame Retardant Thermally Conductive Thermally Insulating	
Uses	Acoustic Barrier Building Materials Construction Applications Insulation	
Agency Ratings	DIN 4102/B1	
Forms	Spheres	
Physical	Nominal Value	Unit
Density	0.0110 to 0.0200	g/cm <sup>3</sup>
Apparent Density		
-- <sup>1</sup>	0.01	g/cm <sup>3</sup>
--	0.59 to 0.63	g/cm <sup>3</sup>
-- <sup>2</sup>	0.02	g/cm <sup>3</sup>
Particle Size	1.40 to 2.20	mm
NOTE		
1.	on a discontinuous pre-expander	
2.	on a continuous pre-expander after one expansion	

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