

Axalta Alesta® Powder Coatings - Fire protection according to EN 45545

Axalta Coating Systems herewith confirms that all Alesta® powder coatings materials, which are manufactured and placed on the market in the European Economic Area meet the DIN EN 45545 standard referring to the test criteria R1 and R7.

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Coating for rail interior parts

Application	Powder System	Tested layer thickness	Fire protection certificate	Substrate	Class	Hazard Level
One layer powder coating for technical parts without UV load	Alesta E, Alesta EE or Alesta ZF	100 µm	20653166-20ca Axalta one stage stahl R1	Stahl	R1	HL 3
One layer powder coating for technical parts without UV load	Alesta E, Alesta EE or Alesta ZF	100 µm	20653166-20da Axalta one stage alu R1	Aluminium	R1	HL 3
One layer powder coating with indirect UV load	Alesta IE, AP, AE or SD	100 µm	20653166-20ca Axalta one stage stahl R1	Stahl	R1	HL 3
One layer powder coating with indirect UV load	Alesta IE, AP, AE or SD	100 µm	20653166-20da Axalta one stage alu R1	Aluminium	R1	HL 3
One layer powder coating with AntiGraffiti interior	Alesta AG800C	100 µm	20653166-20ca Axalta one stage stahl R1	Stahl	R1	HL 3
One layer powder coating with AntiGraffiti interior	Alesta AG800C	100 µm	20653166-20da Axalta one stage alu R1	Aluminium	R1	HL 3
Two layer powder coating for interior use	Alesta E, EE, EP, ZF, IE or AE + Alesta IE, AP, AE, SD, IO or AG800C	60 µm + 60 µm	20653166-20aa Axalta two stage stahl R1	Stahl	R1	HL 3
Two layer powder coating for interior use	Alesta E, EE, EP, ZF, IE or AE + Alesta IE, AP, AE, SD, IO or AG800C	60 µm + 60 µm	20653166-20ba Axalta two stage alu R1	Aluminium	R1	HL 2

Coating for rail exterior parts

Application	Powder System	Tested layer thickness	Fire protection certificate	Substrate	Class	Hazard Level
One layer powder coating for technical parts without UV load	Alesta E, Alesta EE or Alesta ZF	100 µm	20653166-20cb Axalta one stage stahl R7	Stahl	R7	HL 3
One layer powder coating for technical parts without UV load	Alesta E, Alesta EE or Alesta ZF	100 µm	20653166-20db Axalta one stage alu R7	Aluminium	R7	HL 3
One layer exterior powder coating	Alesta IE, AP, AE or SD	100 µm	20653166-20cb Axalta one stage stahl R7	Stahl	R7	HL 3
One layer exterior powder coating	Alesta IE, AP, AE or SD	100 µm	20653166-20db Axalta one stage alu R7	Aluminium	R7	HL 3
One layer powder coating with AntiGraffiti exterior	Alesta AG800C	100 µm	20653166-20cb Axalta one stage stahl R7	Stahl	R7	HL 3
One layer powder coating with AntiGraffiti exterior	Alesta AG800C	100 µm	20653166-20db Axalta one stage alu R7	Aluminium	R7	HL 3
Two layer exterior powder coating	Alesta E, EE, EP, ZF, IE or AE + Alesta IE, AP, AE, SD, IO or AG800C	60 µm + 60 µm	20653166-20ab Axalta two stage stahl R7	Stahl	R7	HL 3
Two layer exterior powder coating	Alesta E, EE, EP, ZF, IE or AE + Alesta IE, AP, AE, SD, IO or AG800C	60 µm + 60 µm	20653166-20bb Axalta two stage alu R7	Aluminium	R7	HL 3

Certificate

By signing this document we confirm, that all powder coatings meet the DIN EN 45545 standard due to passing R1 and R7 examination.

Signed by:

Axalta Coating Systems Application Expert Leader EMEA

Jörg Dederichs

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