

Alesta® Mar Resistant

Improved mar resistance of smooth glossy finishes.

Axalta launches a new range of powder coatings especially formulated to improve the mar resistance of smooth glossy finishes.

The highly raised surface hardness of these new formulations has a direct impact on the lifetime of the painted object. This makes the manipulation of powder coated parts a lot easier for the painter: handling, storage, packaging, use, assembly, ...

This product range is formulated according to very strict test methods and originally dedicated to the architectural market in order to prevent scratches on profiles caused by manipulation and cleaning of assembled parts. But it can also be interesting for other applications where painted parts can be sensitive to scratches:

- Design and furniture of public places (child care facilities, schools, transit areas, ...)
- Office furniture, shop design, PLV, ...
- Urban and garden furniture
- Public transport : bus, railway, ...

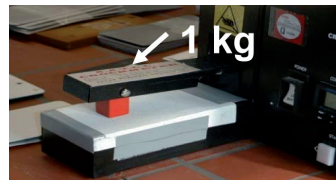
Remarkable performances

This product range has all the advantages of a traditional powder coating. The mar resistance properties are measured according to the abrasion test with Crockmeter.

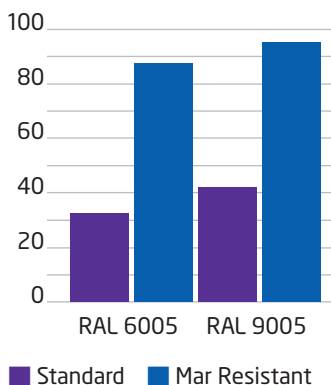


Test description:

- Friction by an abrasive paper attached to an operating arm
- Paper with aluminium particles (9 µm Al2O3)
- A weight of 1 kg exercises a force of 9,8 Newton
- 10 horizontal movements forward and back are performed. The paper is replaced with each set
- Gloss measurement on the sample before and after the test
- The standardisation of this test allows us to compare all our formulations in an effective way



Gloss retention measurement after test - Measuring angle 20°



RAL	Product	Gloss (60° angle)			Gloss (20° angle)		
		Initial	After test	Gloss retention	Initial	After test	Gloss retention
RAL 6005	Standard AP AE80016600520	83 GE	55 GE	66 %	48 GE	15 GE	31 %
	AP Mar Resistance AE80096142621	79 GE	78 GE	98 %	43 GE	38 GE	88 %
RAL 9005	Standard AP AE80014900520	82 GE	57 GE	69 %	48 GE	20 GE	41 %
	AP Mar Resistance AE80094119821	77 GE	77 GE	100 %	38 GE	36 GE	94 %

