



ABSOLUTE FINISHING

DECORATIVE WATERBORNE SOLUTIONS FOR
ABS AND OTHER COMPOSITE SUBSTRATES





« No market access without innovation,
no innovation without market access.»

Leading innovation...

*by way of marketing,
research & technical
survey*

Supporting its growth objectives through innovation is an essential aspect of the group's strategy, which has long considered innovation as a part of its DNA.

However innovation cannot be an end in itself.

The major challenge is to lead innovation while being aware of market trends, needed resources, improvements in technology and business transformation.



Since 1973 alterpaint has been designing, manufacturing and marketing liquid paint systems for industry, incorporating a high degree of innovation to offer its customers products that are adapted to the ever changing needs of the market.

In anticipation of market expectations and changes in regulations, alterpaint combines its innovative efforts with a strong desire to offer increasingly beneficial environmental solutions for its clients and the various market players.

The decorative paint ranges developed by alterpaint meet all these criteria and, what's more that, offer their users the advantage of maximum flexibility. As color remains at the heart of the objectives of any decorative paint range, each range offered by alterpaint associates one or more references of white or clear varnish and a range of waterborne pigment pastes, also developed by alterpaint, enabling users to treat the widest spectrum of colors while limiting batch size and manufacturing time.

Color is often an expression of the personal style of the products on which it is applied. To that aim, alterpaint provides its customers a service dedicated to the design of custom colors that go far beyond standard color charts via recently created Colors & Creations department.

For those who wish to integrate this formulation of colors into their own processes, the technology offered by alterpaint is compatible with automatic on-site dosing systems and includes all the necessary ingredients.

alterpaint.com

"Decorative & protective coating solutions"

Think further



ABS & COMPOSITES COATING SOLUTIONS



Dipping



Spraying



Curtain



Waterborne











Solventborne

RANGE OF PRODUCTS


Improving both environmental and economic efficiency in ABS coating by replacing current three layer solvent borne systems with more innovative eco friendly

waterborne systems is the aim of our 2K monolayer base coat range.

DECORATIVE BASE COAT & MONOLAYER

Designation	Technology	Application	Standard Tones
31509 ABSolute Finishing Matt			Solid, fluo. Special finishing upon request
31509 ABSolute Finishing Shiny			Solid, pearlescent, fluo. Special finishing upon request
31509 ABSolute Clear Coat Matt			Matt
31509 ABSolute Clear Coat Shiny			Shiny

HARDENER

Designation	Technology	Application
31509B ABSolute Finishing Hardener	V.O.C. Free / 100% solid	

31509 ABSolute FINISHING MATT



Spraying



Waterborne

PROPERTIES

Top of range aliphatic polyurethane 2K
Waterborne coating for decorating composite parts like ABS, polycarbonate, ...

- Mixing rate 10/1 in weight
- Drying process: 30' at 80°C
- Application process: low pressure spraying equipment which enables a on line controlled dosing of the hardener.

SYSTEM SPECIFICATIONS & PERFORMANCES

SPECIFICATIONS	STANDARD/PARAMETERS	CHECKED TARGET VALUES
Cross cut adhesion test	ISO – 2409	Cot. 1 max.
Direct shock resistance	50 cm / 1kg	No cracking / slight marks allowed
Wet chamber resistance	40°C/100% - 240hrs	No blister, bubbles, loss of gloss. Cross cut adhesion after 1 & 24hrs: cot. 1 max.
Water immersion	40°C - 240hrs	No blister, bubbles, loss of gloss. Cross cut adhesion after 24hrs: cot. 1 max.
Chemical resistance	50 back and forth using a soapy water at 30°C	No damage
UV resistance	Sun Test / 600hrs of direct exposition	Benchmark

BASIS

Waterborne

SUBSTRATES

ABS, polycarbonate, composites...

TECHNOLOGY

Aliphatic - Polyurethane

SURFACE TREATMENT

Degreasing (alcohol), flammig

Technical Data

Solids by weight	39 to 50 %
VOC	90 to 100 g.L ⁻¹
Spreading rate m²/kg	a.o. 16 m ² / 20 µm dry



31509 ABSolute FINISHING SHINY



Spraying



Waterborne

PROPERTIES

Top of range aliphatic polyurethane 2K Waterborne coating for decorating composite parts like ABS, polycarbonate, carbon, ...

- Mixing rate 6/1 in weight
- Drying process: 30' at 80°C
- Application process: low pressure spraying equipment which enables a on line controlled dosing of the hardener.
- Gloss > 90%

SYSTEM SPECIFICATIONS & PERFORMANCES

SPECIFICATIONS	STANDARD/PARAMETERS	CHECKED TARGET VALUES
Cross cut adhesion test	ISO – 2409	Cot. 1 max.
Direct shock resistance	50 cm / 1kg	No cracking / slight marks allowed
Wet chamber resistance	40°C/100% - 240hrs	No blister, bubbles, loss of gloss. Cross cut adhesion after 1 & 24hrs: cot. 1 max.
Water immersion	40°C - 240hrs	No blister, bubbles, loss of gloss. Cross cut adhesion after 24hrs: cot. 1 max.
Chemical resistance	50 back and forth using a soapy water at 30°C	No damage
UV resistance	Sun Test / 600hrs of direct exposition	Benchmark

BASIS

Waterborne

SUBSTRATES

ABS, polycarbonate, carbon, composites

TECHNOLOGY

Aliphatic - Polyurethane

SURFACE TREATMENT

Degreasing (alcohol), flammng

Technical Data

Solids by weight	47 %
VOC	90 g.L ⁻¹
Spreading rate m ² /kg	9,2m ² / 25µm dry

31509

ABSolute CLEAR COAT MATT



Spraying



Waterborne

PROPERTIES

Top of range aliphatic polyurethane 2K Waterborne coating for decorating composite parts like ABS, polycarbonate,...

- Finishing clear coat used to enhance the protection of the decorative layer
- Drying process: 30' at 80°C
- Application process: low pressure spraying equipment which enables a on line controlled dosing of the hardener.

SYSTEM SPECIFICATIONS & PERFORMANCES

SPECIFICATIONS	STANDARD/PARAMETERS	CHECKED TARGET VALUES
Cross cut adhesion test	ISO – 2409	Cot. 1 max.
Direct shock resistance	50 cm / 1kg	No cracking / slight marks allowed
Wet chamber resistance	40°C/100% - 240hrs	No blister, bubbles, loss of gloss. Cross cut adhesion after 1 & 24hrs: cot. 1 max.
Water immersion	40°C - 240hrs	No blister, bubbles, loss of gloss. Cross cut adhesion after 24hrs: cot. 1 max.
Chemical resistance	50 back and forth using a soapy water at 30°C	No damage
UV resistance	Sun Test / 600hrs of direct exposition	Benchmark

BASIS

Waterborne

SUBSTRATES

Decorative layers

TECHNOLOGY

Aliphatic - Polyurethane

Technical Data

Solids by weight	38 to 50 %
VOC	108 g.L ⁻¹
Spreading rate m²/kg	a.o. 15,8 m ² / 20 µm dry

31509

ABSolute CLEAR COAT SHINY



Spraying



Waterborne

PROPERTIES

Top of range aliphatic polyurethane 2K Waterborne coating for decorating composite parts like ABS, polycarbonate, carbon, ...

- Finishing clear coat used to enhance the protection of the decorative layer
- Drying process: 30' at 80°C
- Application process: low pressure spraying equipment which enables a on line controlled dosing of the hardener.
- Gloss > 90%

SYSTEM SPECIFICATIONS & PERFORMANCES

SPECIFICATIONS	STANDARD/PARAMETERS	CHECKED TARGET VALUES
Cross cut adhesion test	ISO – 2409	Cot. 1 max.
Direct shock resistance	50 cm / 1kg	No cracking / slight marks allowed
Wet chamber resistance	40°C/100% - 240hrs	No blister, bubbles, loss of gloss. Cross cut adhesion after 1 & 24hrs: cot. 1 max.
Water immersion	40°C - 240hrs	No blister, bubbles, loss of gloss. Cross cut adhesion after 24hrs: cot. 1 max.
Chemical resistance	50 back and forth using a soapy water at 30°C	No damage
UV resistance	Sun Test / 600hrs of direct exposition	Benchmark

BASIS

Waterborne

SUBSTRATES

Decorative layers

TECHNOLOGY

Aliphatic - Polyurethane

Technical Data

Solids by weight	39 %
VOC	117 g.L ⁻¹
Spreading rate m²/kg	9,2m ² / 25µm dry



For further information, please visit our website:

www.alterpaint.com

31509B

ABSolute FINISHING HARDENER



Spraying

PROPERTIES

Polyisocyanate hardener compliant with all ABSolute Finishing base coats, monolayer & clear coats

- Mixing rate 1/6 to 10 in weight
- Drying process: 30' at 80°C
- Application process: low pressure spraying equipment which enables a on line controlled dosing of the hardener.

TECHNOLOGY

Polyisocyanate

Technical Data

Solids by weight	100 %
VOC	0 g.L ⁻¹
Spreading rate m²/kg	a.o. 44 m ² / 20 µm dry

100%
SOLID



ISO 9001
ISO 14001
BUREAU VERITAS
Certification



alterpaint.com

**“Leading
innovation
in liquid
coating”**

Think further





www.alterpaint.com/fr/de/uk

contact@alterpaint.fr
kontakt@alterpaint.de

Fr: +33 2 54 45 52 00
Ger: +49 62 20 314 074
Asia: +65 64 39 65 22

 **BARTOLAC**
GROUPE