



Bluesil™ silicones for decorative coatings

Bluestar Silicones. Delivering Your Potential.

BLUESTAR
SILICONES

More protection and less renovation



Bluesil™ BP products properties

- Water repellency
- Breathability
- Beading effect

Bluesil™ BP solutions benefits

- Outstanding durability
- Reduced restoration costs
- Thermal insulation
- Washability (indoor paints)
- Less dirt pick up

Eco friendly products

- Water based products
- APEO free emulsions
- No need of coalescing agent
- Reduced global VOC level

Only siloxane paints can guarantee long lasting protection against water penetration and keep a façade looking good.

Their outstanding durability allows the time between renovations to be extended by at least 50%, which means cost effectiveness.

Bluesil™ BP silicone resins and additives are used to enhance the water repellency and breathability of many types of paints and renders either for new constructions or renovations.

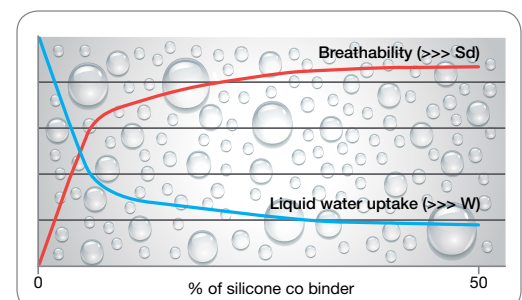
Used as co-binders associated with polymer dispersions, resin emulsions represent 5 to 50% of the total binder system.

Additives provide water liquid resistance and specific properties (such as beading effect, cleanability,...), and are generally added at the end of the formulation at a level between 0.1 to 3% of the total ingredients.



Without silicone

With silicone



Bluesil™ decorative paint range

Bluesil™	Co binders			Additives	
	BP 9878	BP 9800	BP 9821	BP 9900	BP 9705
Siloxane emulsion	●	●	●	●	●
Characteristics					
Dry content (%)	43	62	60	55	50
Appearance	milky white	milky white	milky white	milky white	milky white
pH	4	10	10	7	7
Shelf life (month)	12	6	6	12	12
Facade paint application					
Indoor, outdoor siloxane paints / rendering and coatings					
Co binder (5 - 50%)	■ ■	■ ■ ■	■ ■ ■		
Additive (0,1 - 5%)				■ ■ ■	■ ■ ■
Silicate paints	■ ■	■ ■	■ ■	■ ■	■ ■ ■
Properties					
Water repellency	■ ■	■ ■	■ ■ ■	■ ■	■ ■
Wet scrub resistance	■	■ ■	■ ■		
Beading effect				■ ■ ■	■ ■
Dirt pick up resistance	■	■ ■ ■	■ ■	■ ■	■ ■ ■

■ Possible ■ ■ Suitable ■ ■ ■ Ideal

► Deco paint with Bluesil™ BP 9821
PVC = 70%

Bluesil™
BP 9821 5.1

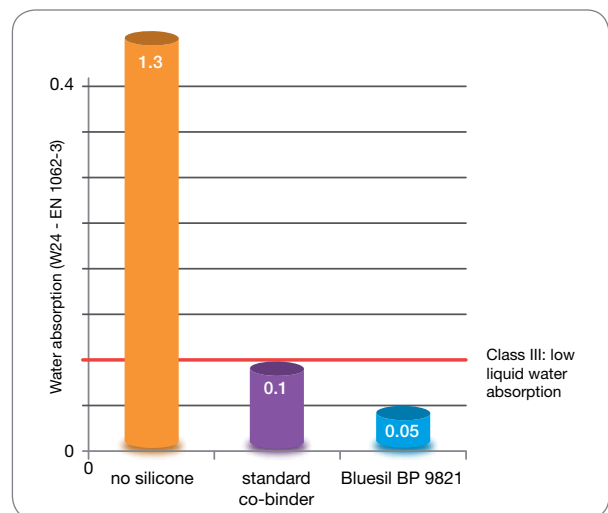
Water 26.1

Additives 2.8

Coalescing agent 0.8

Fillers & Pigments 56

Acrylic Binder 9.2



▲ Facade paint formulated with 60% acrylic binder and 40% silicone co binder

▶ Deco paint with **Bluesil™ BP 9705**
PVC = 70%

**Bluesil™
BP 9705 0.3**

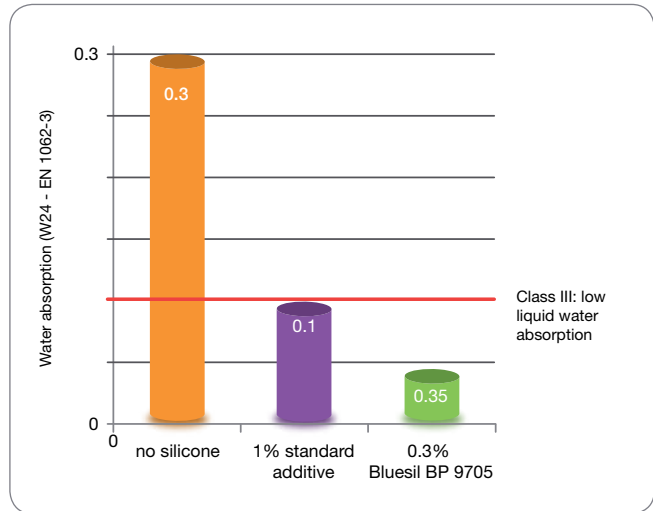
Water 21.5

Additives 1.9

Coalescing agent 2.3

Fillers & Pigments 55.7

Acrylic Binder 18.6



▲ Facade paint formulated
with an acrylic binder + silicone additive

Our dedicated lab are at your disposal to support you on your formulation development, they can carry out specific tests according to the international standards:

- W24: Liquid Water Permeability (EN 1062-3)
- Sd: Water Vapour Permeability (ISO 7783-2 /EN 1062)
- Wet scrub resistance (ISO 11998 or ASTM D2486-06)

For detailed commercial contacts please visit our website:
www.bluestarsilicones.com

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