CRYLCOAT® 4655-2

Reactive HAA-Polyester resin for powder coatings



For superdurable outdoor applications

The market demands low bake, fast cure high-performance coatings that enable energy-savings or improve productivity without compromising performance. To ensure this demand, allnex has developed a carboxylated polyester resin with excellent UV-resistance for the combination with Hydroxyl-Alkylamide to meet all the requirements for low-bake blooming-free superdurable outdoor applications.

Performance

- Reactive Polyester for 5% B-Hydroxyl-Alkylamide (HAA) powder
- For **superdurable outdoor** applications
- Low cure capability: 10 mins @160°C
- Overbake resistant
- Good blooming resistance
- Good water-spot resistance
- Suitable for fine textured finishes

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Product specification	
Brookfield Viscosity @200°C (mPa*s)	8000
Acid Value (mg KOH/g)	31
Glass Transition (°C)	66
Color b	<10

Test Description	Test Method	White HAA Formulation (fine textured)
Gloss (20°/60°)	ASTM D523	3,5/22
Impact Resistance D/R (2,5 N/cm)	ASTM D2794	Pass
Solvent Resistance (Acetone x 30 sec)	In house	Light softening
Gel Time @180°C (sec)	PCI #6	115
50% gloss retention QUV-B (hrs) in RAL 8014	ASTM D522	> 360
Water-spot resistance test in RAL 8014 : dL	GSB	Pass

Florida 45° South washed panels 3 years exposed Gloss G 60° in (units)

CRYLCOAT®	Hardener	Ratio Resin/Hard	Pigment	Comment	Gloss t0	G6W	G6W	G6W	G6W
				Months	0	12	24	36	42
4655-2	Primid XL 552	95/5	30% Kronos 2160	15 Min 160°C	96	94	85	58	51
4659-0	Primid XL 552	95/5	30% Kronos 2160	15 Min 200°C	97	94	81	54	36
4659-0	Primid XL 552	95/5	30% Ti Pure R 960	15 Min 200°C	94	91	86	74	66
4659-0	Primid XL 552	95/5	30% Ti Pure R 706	15 Min 200°C	97	93	69	42 after 30 months	
4659-0	Primid XL 552	95/5	30% Tioxide R 81	15 Min 200°C	96	93	76	47	34
4659-0	Primid XL 552	95/5	30% Tiona 696	15 Min 200°C	97	95	85	57	40
4659-0	Primid XL 552	95/5	30% Cristal 122	15 Min 200°C	96	93	76	47	35

For further details on this product and starting-point formulations, please reach out to our technical experts.

To browse through our portfolio on our new product finder, please scan the QR code.

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