

# POWDER COATING RESINS FOR LOW TEMPERATURE CURE



Resins for low temperature curing  
CRYLCOAT® 1551-6, CRYLCOAT 2696-6, 2679-6, CRYLCOAT 4643-3 and CRYLCOAT 2499-6



## Value Proposition

- Energy saving
- Fast curing to increase productivity
- For thermosensitive substrates such as MDF
- Excellent overall properties

Broad range of products for low temperature or fast curing for major binder systems in powder coatings. This range of products allows allnex to address market needs on thermosensitive substrates such as MDF, and heavy metal pieces.

CRYLCOAT®	Acid value (mgKOH/g)	Brookfield viscosity (mPa.s)	Glass transition temperature (°C)	Gel time @ 180°C (sec.)	Product description
1551-6	71	5000 (175°C)	51	69	Hybrid 50/50 polyester with good flow, suitable for smooth finishes.
2679-6	31	4800 (200°C)	58	132	Tribo active, over-bake and gas oven modified HAA architectural polyester with outstanding blanching resistance.
2696-6	38	4500 (200°C)	60	160	High Tg, tribo active, over-bake and gas oven resistant HAA industrial resin. Blooming-free.
4643-3	50	1800 (200°C)	62	128	Tribo active, over-bake and gas oven resistant HAA superdurable resin with excellent flow.
2499-6	30	4800 (200°C)	64	226	Architectural TGIC resin with good storage and reactivity.

CRYLCOAT	Ratio	Curing on steel, 0.8mm	Impact direct (i.p.)	Impact reverse (i.p.)	Tg film (°C)	PCI	Yellowing dE
1551-6	50/50 HY	12 min, 140°C	160	160	74.2	4	1.04
2679-6	95/5 HAA	12 min, 170°C	70	70	65.1	5-6	1.62
2696-6	95/5 HAA	12 min, 160°C	70	70	67.6	4-5	1.68
4643-3	93/7 HAA	12 min, 160°C	OK 2.5Nm	OK 2.5Nm	61.6	5-6	2.64
2499-6	93/7 TGIC	10 min, 160°C	70	70	75	5	1.16
1551-6	50/50 HY	3 min, 180°C	160	160	72.1	4	1.35
2679-6	95/5 HAA	4 min, 200°C	70	70	65.8	5-6	1.73
2696-6	95/5 HAA	4 min, 200°C	70	70	69.9	4	2.02
4643-3	93/7 HAA	4 min, 200°C	OK 2.5Nm	OK 2.5Nm	64.5	5	3.07
2499-6	93/7 TGIC	4 min, 200°C	70	70	-	4	1.32
1551-6	50/50 HY	IR 1 x	160	160	74.7	5	1.38
2679-6	95/5 HAA	IR 2 x	50	60	66.1	6	1.96
2696-6	95/5 HAA	IR 1 x	70	70	67.1	4	1.96
4643-3	93/7 HAA	IR 1 x	OK 2.5Nm	OK 2.5Nm	62.8	5-6	2.88
2499-6	93/7 TGIC	IR 2 x	50	50	-	4	1.38

These products are currently available globally. To request a sample, please contact us at [custinfo@allnex.com](mailto:custinfo@allnex.com).

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