

PRIMERS



ACRYLIC PRIMER
444

ACRYLIC FILLING PRIMER HS
488

EXPRESS PRIMER
499

ALL-IN-ONE PRIMER
466

PRIMER FAST
422

PLASTIC PRIMER
409

PLASTIC FILLING PRIMER
410

WET ON WET PRIMER
467

PARAMETERS

Mixing ratio (by volume)	4:1	5:1	4:1	4:1	1K	1K	1K	5:1
Consumption	5 - 6 m ² /l	5 - 6 m ² /l	6 - 8 m ² /l	5 - 7 m ² /l	5 - 7 m ² /l	8 - 10 m ² /l	5 - 7 m ² /l	14.5 - 15.0 m ² /l
Main purpose	Fast filling primer with anti-corrosion protection. Suitable for complete cars or spot repair without sinkage or visible marks in the transition zone.	Fast primer with exceptional filling properties and anticorrosion protection. Suitable for complete cars or spot repair without sagging, very stable on verticle surfaces.	Primer for fast and economic car refinishing (express technology). Excellent adhesion on bare metals. Perfectly suitable for spot repair.	This primer combines the characteristics of sanding, wet-on-wet and plastic filler. Can be applied directly on steel, iron, aluminium, zinc and on plastics commonly used in automotive industr (PP-EPDM, ABS, PC, ABS-PC, PMMA, PUR, PVC and GRP). It is possible to overcoat intact, cataphoretic dip coatings without any pre-sanding.	A fast 1K primer with filling properties. Can be used on old sanded 2K paints, shop primers and directly on steel, aluminium and zinced surfaces. Don't apply to old thermoplastic paints	A primer for almost all synthetic parts used in a car: ABS, EP-Laminate, PA, PBTP, PC, POM, PP/EPDM, PPO, PUR hard, PUR soft, PVC	A primer with excellent filling properties for almost all synthetic parts used in a car: PP-EPDM, ABS, PC, ABS-PC, PMMA, PA, PUR, PVC, GRP)	A primer can be quickly over-coated and provides universal adhesion: directly applicable to steel, iron, aluminium and galvanized substrates as well as on commonly used plastics in the automotive industry (e.g. PP-EPDM, ABS, PC, ABS-PC, PUR, PVC, GRP)
Colour	black, grey, white + mixing chart	black, grey, white, red	grey	dark grey	grey	transparent - silver	light grey	light grey
Corrosion Protection	high	sufficient	sufficient	high	sufficient	-	-	high
Addition of thinner	5% - 10%	15 - 20% , wet on wet method 30 - 40%	Ready for use after addition of hardener; if necessary dilute with up to 10% Chamaleon UNI Thinner slow 323	0 - 5 % as sanding filler, 10 - 15 % as wet-on-wet filler/plastic filler Chamaleon UNI Thinner	Approx. 50 - 70%, Chamaleon UNI Thinner	-	100 %, Chamaleon UNI Thinner	Chamaleon UNI Thinner EU VOC: 25 - 35%, Non EU 25 - 50 %
HVLP/ Gravity spray gun settings	pressure: 1.6 - 2 bar nozzle: 1.3 - 2.0 mm internal nozzle pressure: 0.7	pressure: 2.5 - 4.5 bar nozzle: 1.4 - 1.9 mm	pressure: 1.6 - 2 bar nozzle: 1.3 - 1.8 mm internal nozzle pressure: 0.7	pressure: 1.6 - 2 bar nozzle: 1.2 - 1.8 mm internal nozzle pressure: 0.7	pressure: 2 - 2.5 bar nozzle: 1.3 - 1.6 mm	pressure: 2 - 2.5 bar nozzle: 1.2 - 1.4 mm	pressure: 1.6 - 2 bar nozzle: 1.2 - 1.3 mm	pressure: 1.6 - 2 bar nozzle: 1.3 - 1.5 mm
Number of coats	1 - 3	1 - 3	1 - 2	1 - 3	2 - 3	1	1 - 3	1
Thickness	60 - 150 µm	120 - 180 µm	50 - 100 µm	20 - 180 µm	40 - 80 µm	3 - 5 µm, avoid thick coats	15 - 40 µm	20 - 30 µm
Flash-off time	5-8 min between the coats 10-15 min before oven drying	10 - 15 min	2-5 min between the coats 10-15 min before the oven drying	5-8 min between the coats 10-15 min before the oven drying	10 min before the oven drying	approx. 10 min	-	-
Drying time	20°C: 3-5 h 60°C: 30-40 min IR-drying: 8-15 min. Drying faster than 488 at 20°C	20°C: 6-8 h 60°C: 30-40 min IR-drying: 10 - 20 min	20 °C: sandable 1 hour 60 °C: sandable 10-15 min IR-drying shortwave: 5 min IR-drying mediumwave: 10-15 min	20 °C: sandable 4-5 hours 60 °C: sandable 30-40 min	20 °C: recoable 30 min 60 °C: recoable 15 min Wet and dry sandable after 45 min	10 min	20 °C: recoatable 15 -20 min.	20 °C: recoatable 15 -20 min.
Vertical stability	high	very high	high	sufficient	applied in thin layer	applied in thin layers	applied in thin layers	applied in thin layers
Spray viscosity	30 - 55 s 4 mm DIN	30 - 55 s 4 mm DIN	20 - 30 s 4 mm DIN	25 - 35 s 4 mm DIN as sanding filler 15 - 20 s 4 mm DIN as wet-on-wet / plastic filler	15 - 20 s 4 mm DIN	12 - 15 s 4 mm DIN	18 - 22 s 4 mm DIN	16 - 18 s 4 mm DIN
"Wet-on-wet" application	-	+	-	+	-	-	+	+
Sanding	Harder than 488, machine sanding is preferable. Can also be sanded manually, but little harder than 488	Easy to sand even after a long period, can be sanded manually	Easy to sand even after a long period, can be sanded manually	One-layer topcoat: P 400 for dry sanding / P 600 for wet sanding. Two-layer topcoat: P 500/ 600 for dry sanding / P 800- 1000 for wet sanding	One-layer topcoat: P 400 for dry sanding / P 600 for wet sanding. Two-layer topcoat: P 500/ 600 for dry sanding / P 800- 1000 for wet sanding	-	-	-
Surface properties	very smooth, may require minimum sanding	smooth, requires sanding	very smooth, may require minimum sanding	smooth, requires sanding	very smooth, may require minimum sanding	very smooth, not require sanding	very smooth, may require minimum sanding	very smooth, not require sanding
Packages	0,8 L; 3,6 L (for mixing machines)	0,5 L; 1 L; 2,5L; 5 L	1 L	1L	1L	0,5L; 1L	1L	1L

Based on the distinctive features of each primer, you can choose the one that suits you in each specific situation