

MasterMix: 2K Topcoats.

PRODUCT CODE: PTK series.

TECHNICAL DATA SHEET.

Product Description	2K Polyurethane Acrylic MS Topcoat.	
Intended Uses	Finish coating for cars, buses, trucks, trailers, tippers, cranes, earth moving equipment and farm machinery.	
Features	Quality top coat with excellent gloss and flow. Good mechanical and chemical resistance. Easy to clean and polish.	
Product Information	Appearance	Gloss.
	Colours	White, Black, Clear and Binder
	Tinting	Suitable tinting system for mixing of, RAL, BS, NCS, SABS, Car and Fleet colours.
	Generic type	Polyurethane Acrylic.
	Solvent type	Aromatic / Esters.
	Specific Gravity	± 1.060 Dependent upon colour.
	Volume Solids (mixed)	± 34.69 Dependent upon colour.
	Recommended DFT	40-50 µm.
	Theoretical spreading rate	7.7 m ² per lt. @ 45µm.
	Viscosity @ 23 °C (mixed)	≈ 22 sec. Din cup 4.
	Pot life @ 23°C (mixed)	2 hours.
	Flash Point	Base -4°C. Hardener 4°C.
Mixing Details	Ratio	2 parts base to 1 part hardener by volume.
	Hardeners	PTK 202 medium, PTK 203 fast.
	Thinners	PTK 301 medium, PTK 302 fast. Accelerator PTK 313.
		Add thinner to required viscosity, based on equipment used, @ 23°C.
		Mix thoroughly until homogeneous.
Drying Times @ 23°C	Flash off	5-10 min.
	Touch	1hr.
	Handle	4 hrs.
	Hard	12 hrs.
	Force	30 min. @ 60°C panel temperature.
		Drying times are based on the specified dry film build.
Recommended Primer/s	Dependent upon Substrate	MasterMix primers PTK 86, PTK 105, EPP 2 & 4. or Acryline high-fill primer APU 108.

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Surface Preparation	Newly primed.	Lightly sand to de-nib and remove overspray.		
	Aged hard coatings	Sand to remove gloss, feather edge damaged areas and Spot prime.		
	Contamination	Remove all contaminants with MasterMix Pre-Cleaner PTK 310, using the spray on wipe off method.		
Application Equipment	Conventional cup gun	Applicators must ascertain the most suitable needle, fluid tip and air cap for the type of article being coated.		
	HVLP	Air and atomising pressures must be set to produce the optimum delivery efficiency and quality of finish.		
	Air assisted			
	Airless			
Environment	Pressure pot			
	Temperature	Surface	Ambient	Relative Humidity
	Min.	10°C	10°C	10%
	Max.	35°C	35°C	85%
Cleaning	Equipment	Flowline thinner KNT 1.		
Safety Precautions	<ul style="list-style-type: none"> • Always keep paint out of reach of children. • Ensure good ventilation during application and drying. • If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner. • Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention. • Harmful if swallowed. Seek medical attention and do not induce vomiting. • Do not smoke while painting. • Flammable. Store in a cool dry place away from heat and sparks. • CATALYST contains isocyanate – use suitable respirator, particularly during spray application of the mixed material. • Refer to Safety Data Sheet for complete information. 			

DISCLAIMER:

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

N.B. Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

NB: TO ORDER: Quote product name, product code number, packaging and colour.

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