

# Technical Data Sheet

## Techpol 2K MS Clearcoat

10747 2K MS Clearcoat

### Description

Techpol 2K MS Clearcoat is a solventborne polyurethane clearcoat offering excellent durability. Composition is based on a highly elastic polyester resin.

### Products

TPL 701 Activator  
TPL TGT 2K Thinner

### Colours

Clear

### Properties

High Gloss finish  
Superior external durability  
Very good chemical resistance  
Easy application

### Substrates

Fully cured OEM finishes  
Cured 2 Pack primers  
Compatible activated solvent based basecoats

### Surface Preparation

Substrates must be free from all contaminants.  
Where appropriate either abrade :-  
    Using a D/A sander using P320-P500 grade  
    By hand using P600-P800 grade paper  
For application over basecoats, apply in a wet on wet process

**VOC value ready for use (EU Directive 1991/13EC)**  
492 g/l

<b>Product Preparation</b>		
Mix Ratio By Volume		
Clearcoat 10747	2	Add thinner if required for additional flow
Hardener TPL 701	1	
Thinner TPL TGT	5%	

**Application**

		Application viscosity DIN 4 at 20C (s)	Thinners (%)	Spray Nozzle (mm)	Pressure (bar)	Number of coats
	Gravity Feed	20	0-5	1.3-1.4	3.0-4.0	2
	Suction Feed	20	0-5	1.8-2.0	3.0-4.0	2

	HVLP	20	0-5	1.3-1.4	2.0-2.5	2
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	Airless Mix	NOT RECOMMENDED APPLICATION				
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	Pressure Pot Membrane Pump	20	0	1.1	2.5-3.5 air 1.0-2.0 material	1-2
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	Electrostatic	NOT RECOMMENDED				
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**Drying**

Air drying at 20C	50µ dry film thickness
Dust dry	90 mins
Dry to handle	4 Hours
Fully Cured	Overnight
Forced dry	Flash time: 15 mins depending on film thickness
Drying time	35 mins
Drying temperature	60C substrate temperature

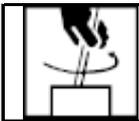
**Recoatability**

Repairable / recoatable with itself when cured (either force dry or air dry)

**Product Data**

Packing viscosity	50-70 s DIN4
Flashpoint	24C

	<b>Solids Weight (%) ± 1</b>	<b>Density (kg/l) ± 0.01</b>	<b>Theoretical coverage</b>	
Packaged	55-58		9 -10m2/L	

**Remarks**

Stir before use.



Store material at between 5 and 25C

**Shelf Life  
at 5 to 25C**

Refer to label on the original can

**Safety**

Consult the Safety Data Sheet prior to use.  
Observe the precautionary notices displayed on the container.

**Information**

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; this data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Techpol cannot anticipate all variations in end use conditions Techpol make no warranties and assumes no liability in connection with any use of this information.

This Technical Data Sheet supersedes all previous issues.