

100-MPT

Multi-purpose tintable function layer



A brand of BASF –
We create chemistry

- Application:** 100-MPT is suitable for new original e-coated panels, old paintwork and OEM primed plastic parts in a wet-on-wet process with Glasurit 100 Line. It can be used as interior color system for under bonnet or engine bay finishing. Leftover mixes can be used to help eliminate additional waste.
- Key Features:** Must be tinted with Glasurit 100 Line. Water dilutable, less than 7% organic solvents. This product is the most efficient if it is used on new panels which have interior color on the insides like: bonnets, front wings, back and front panel, engine and trunk bays.
- Remarks:**
- It is possible to tint with 100 Line pure mixing bases, 100 Line mixed color formulas and 100 Line RFU mixed formulas, including Solid and Metallic colors.
 - Glasurit Grey shade concept formulas can be mixed using 100-MPT.
 - The material is thixotropic and cannot be measured with a DIN 4 cup. The spray viscosity is as mixed.
 - Mixtures will keep for up to 3 months when stored in corrosion-resistant (plastic or internally coated) closed cans.
 - Flash-off times can be reduced significantly by using appropriate air blow equipment.
 - No sanding necessary on new original e-coated panels.
 - Sanding of substrates prior to application of 100-MPT, if necessary, should be done with P320.
 - Parts coated with 100-MPT can be overcoated with 100 Line and 22 Line without intermediate sanding for up to 8 hours.
 - 100-MPT substitutes the sealer and the interior basecoat in the process. It comprises these steps "all in one", thereby accelerating the process .
 - Depending on e.g. lower ambient temperature, higher humidity, use of X-version it could be necessary to increase flash off time.
 - Please refer to the Glasurit Know How module "Glasurit 100-MPT" for further details and information about application processes.



Paint System

Please see Glasurit Know How module "Glasurit 100-MPT"

Safety advice:

The products are suitable for professional use only.

It cannot be ruled out that this product contains particles < 0.1 µm.

2004/42/IIIB(d)(420)249: The EU limit value for this product (product category: IIB.d) in ready to use form is max 420 g/litre of VOC. The VOC content of this product is 249 g/litres.

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the products for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein are for general information purpose only; they may change without prior information and do not constitute the agreed contractual quality of the products (product specification). The latest version supersedes all previous versions. You can obtain the latest version from our website at www.glasurit.com or directly from your sales partner. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.



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Handling

Stir formula before adding 100-IC 550 Hardener and 100-E 5 Reducer.

Pure mixing bases

- 60 parts by weight 100-MPT
- 20 parts by weight 100-M 20 Mixing Clear
- 20 parts by weight 100 Line mixing Base*
- 5 parts by weight 100-IC 550 Hardener*
- 50 parts by weight 100-E 5 Reducer*

Mixed color formula

- 60 parts by weight 100-MPT
- 40 parts by weight 100 Line Mixed color formula*
- 5 parts by weight 100-IC 550 Hardener*
- 50 parts by weight 100-E 5 Reducer*

Mixed ready for use formula

- 60 parts by weight 100-MPT
- 60 parts by weight 100 Line Mixed ready for use formula*
- 5 parts by weight 100-IC 550 Hardener*
- 30 parts by weight 100-E 5 Reducer*

* Stir IMMEDIATELY after adding.



Potlife at 20°C

1 h

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Application:	 Compliant gravity-feed spray gun	 HVLP spray gun
Nozzle pressure	2 bar	
Nozzle size	1.3-1.4	
Number of spray coats	1 spray coat on non-sanded e-coat substrates 1 + ½ spray coats wet-on-wet on sanded substrates	
Flash off at 20°C	Until surface is completely mat. Use Venturi system. Maximum flash-off 8 hours	
Film thickness	15-25 µm	
Application Remark	Spraying pressure = Inlet pressure The setup depends on the spray gun supplier, please refer to the Glasurit Know How module "BASIC KNOWLEDGE - BODYSHOP EQUIPMENT" for detailed information.	



Sanding manual, dry

Dirt nibs can be removed with a fine sanding pad P800 - P1000. After 8 hours flash-off, sanding is needed prior to 100 Line. Orbital sanding with soft interface pad P500 - P600.

Please note: For automotive refinish, repair instructions of vehicle manufacturers, in particular regarding installed sensor technology, must always be observed in addition to the processing instructions given within this document.

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