

UV Filler

Primers/Surfacers

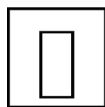
01/05/2020

L2.04.03 UK & Ireland

DESCRIPTION

UV Filler is a one-component UV curable filler suitable for small repairs. The filler only needs 5 minutes of curing by UV light and offers customers the opportunity to drastically reduce their preparation process time.

Mixing ratio



RFU UV Filler

Equipment



Spray gun set up:
1.2-1.4 mm

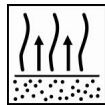
Application pressure:
1.7-2.2 bar at the air inlet
HVLP max 0.6-0.7 bar at the air cap

Application



2-3 x 1 coat

Flash-off



Between coats
2 minutes at 20°C

Before curing
5 minutes at 20°C

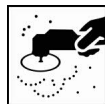
Drying



400W HID lamp
5 minutes
Ensure suitable UV protection is observed

UV LED
5 minutes

Sanding



Final sanding step: P400-P500

Recoatability



Topcoat HS 420

Basecoat WB (GT)

Protection



Use suitable respiratory protection
Akzo Nobel Car Refinishes recommends the use of fresh air supply respirator

Read complete technical data sheet for detailed product information

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PRODUCT AND ADDITIVES

Product UV Filler

Chemical Basis UV Filler Acrylic resins

METHOD OF USE

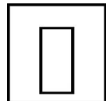
Substrates Original finishes, including thermoplastic acrylics
 Steel
 Zinc coated steel
 Aluminium
 1K Multi Plastic Primer
 Polyester Body Filler

For systems which should meet the highest standards, pre-treat the metal substrate with AkzoNobel AutoPrep Pre-treatment Wipes

Substrate preparation Original finishes: Sand with P180-P280 grit dry
 Steel: Sand with P180-P280 grit dry
 Polyester Body Filler: Sand with P180-P280 grit dry

Mixing ratio

RFU UV Filler



UV Filler must be shaken thoroughly for 30 seconds before use

Spray gun set up



Spray gun:
 HVLP Gravity
 LVLP/HR Gravity

Fluid opening:
 1.2-1.4mm
 1.2-1.4 mm

Spraying pressure:
 0.7 bar (at air cap)
 1.7-2.2 bar (at air inlet)

Refer to user manual spray gun used

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APPLICATION TECHNIQUE

Application Apply two or three single coats, allowing to dry until matt after each coat



Equipment cleaning Use Multi Thinners or nitro cellulose thinner

Drying



Position the HID lamp or LED approx. 40 cm from the surface, ensuring the repair area is covered by the UV foot print

	Time to full intensity	Drying time
400W HID lamp	3 minutes	5 minutes
UV LED	1 minute	5 minutes

Use the UV unit according recommendation

Tesla Cure R100 UV LED Handlamp

Repair size	Flash off with UV	Curing time
Small spot	3-8 sec	30 sec
Medium spot	3-8 sec	1 min
Half panel	3-8 sec	2 min

Personal protection equipment

When curing UV Filler, it is necessary to use suitable UV protection equipment which covers all skin areas on hand, arm and face. Wear long sleeves, gloves and cover the face with suitable full-face shield.

Layer thickness 80 – 100 microns

Material usage Ready for use mixture at 1 µm layer thickness : 525 m²/liter

The practical material usage depends on many factors i.e. shape of the object, roughness of the surface, application method and application circumstances

Sandpaper grades Dry sanding : Initial sanding P320 Final sanding P400-P500

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Recoatability	Topcoat HS 420 Basecoat WB GT
Product storage	Avoid extreme temperature fluctuation and high humidity levels
Shelf life	1 year at 20°C
VOC	2004/42/IIIB(c)(540)400 The EU limit value for this product (product category : IIB.c) in ready to use form is max. 540 g/l VOC. The VOC content of this product in ready to use form is max. 400 g/litre.

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IMPORTANT NOTE: The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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