

TECHNICAL INFORMATION

Date of preparation:
27 August 2025



Date of update:
27 August 2025
Website1 from 6

Product name: APP AcrylFiller HQ Fast quick-drying two-component acrylic primer. APP No.: 020551-020555.

A two-component UHS acrylic primer with high solid content and short setting time. It has excellent adhesion to steel, polyester fillers and old paint coatings. It is designed for use as a thick coating or filling primer. It can be used in a wet-on-wet system. Available in three colours: grey, black and white.

Packaging.	AcrylFiller - 1.0 L, 4.0 L; hardener - 0.25 L, 1.0 L; additive - 1.0 L.		
Product and additives.	APP AcrylFiller HQ Fast - acrylic primer. APP Harter AcrylFiller HQ Fast normal – hardener with standard setting time for temperatures up to +25°C. APP Harter AcrylFiller HQ Fast slow – hardener with a long setting time for temperatures above +25°C. APP Additive AcrylFiller HQ Fast – UHS additive modifying application and drying time.		
Special additives.	APP Elastic, APP Anti Silicone.		
Basic components.	APP AcrylFiller HQ Fast – acrylic resin, mineral fillers, pigments and solvents. APP Harter AcrylFiller HQ Fast – isocyanate hardeners. APP Additive AcrylFiller HQ Fast – UHS additive modifying spray viscosity and drying time.		
Colour.	Black, grey, white.		
Specific gravity.	1.4 kg/l at + 20°C.		
Coverage.	Primer thick coating 6 - 7 m ² /l	Primer filling 8 - 10 m ² /l	Primer wet on wet 16 - 18 m ² /l
<u>Application</u>	APP AcrylFiller HQ Fast is a fast-drying primer with low VOC content < 540 g/l and increased covering properties, intended for use as a thick coating or filling primer and for wet-on-wet work.		
<u>Substrate</u>			
Suitable substrates.	Steel, electrolytically galvanised steel sheet, aluminium, polyester laminates. Cataphoresis, sanded OEM factory coatings.		

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Suitable substrates
cont.

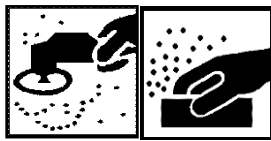
Pre-treated surfaces:

- with polyester products, e.g. APP Ultra,
- epoxy primers, e.g. APP Grund EP,
- adhesion primers, e.g. APP Kunststoff Primer.

Note: To increase corrosion resistance, pre-treat steel sheets and sanded areas down to bare metal with APP Haftgrund or APP 2K Haftgrund.

Substrate preparation.

Thoroughly remove any corrosion spots.



A. For use as a thick-film primer.

Level existing finishes and polyester products dry with P180-P240 sandpaper.

Wet sand surfaces coated with factory paints and primers with P220-P280 sandpaper.

B. For use as a filling primer.

Existing finishes and polyester products should be levelled dry with P240-P320 sandpaper.

Sand surfaces coated with factory paints and primers wet with P320-P360 sandpaper.

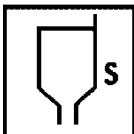
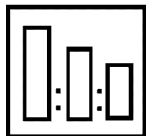
C. For wet-on-wet application.

Sand existing finishes dry with P400 sandpaper or wet with P500 sandpaper.

Before spraying the primer, clean the surface to be treated of dust and degrease it with APP W900 or APP W911 remover.

Application

Mixing ratios.



A. Volumetric mixing ratios.

	Primer thick coating	Primer filling	Wet wet
AcrylFiller HQ Fast	4 volumes	4 volumes	4 volumes
Harter AcrylFiller HQ Fast	1 volume	1 volume	1 volume
Additive AcrylFiller HQ Fast	0	15	30
Spray viscosity F/4 / +20°C	60	30	15

B. Weight mixing ratios.

100 g APP AcrylFiller HQ Fast
17 APP Harter AcrylFiller HQ Fast
0 g / 10 g / 19 APP Additive AcrylFiller HQ Fast
g

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APP Sp. z o.o. 62-300 Września ul. Przemysłowa 10, tel. + 48 61 437 00 00.

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Mixing ratios cont.

Note!

It is not recommended to add acrylic thinner.

Use only APP Harter AcrylFiller HQ Fast hardeners and APP Additive AcrylFiller HQ Fast modifying additives.

Do not exceed the recommended hardener dosage.

If necessary, add 2 to 5% APP Anti Silicone.

If necessary (plastics), add according to the mixing table before adding the hardener, add APP Elastic plastic elasticiser APP Elastic.

The volume of the finished product for 0% additive APP Additive AcrylFiller HQ Fast	Weight mixing ratios				
	APP AcrylFiller HQ Fast	APP Harter AcrylFiller HQ Fast	APP Additive AcrylFiller HQ Fast		
	100	17.52	0	15	30
[L]	[g]	[g]	[g]	[g]	[g]
0.1	112.0	19.6	0.00	13.1	26.1
0.2	224	39.2	0.00	26.1	52.3
0.3	336	58.9	0.00	39.2	78.4
0.4	448	78.5	0.00	52.3	105
0.5	560	98.1	0.00	65.3	131
0.6	672	118	0.00	78.4	157
0.7	784	137	0.00	91.5	183
0.8	896	157	0.00	105	209
0.9	1008	177	0.00	118	235
1.0	1120	196	0.00	131	261

Obtaining shades of grey.

Base colour	HQ Fast white	HQ Fast black	Top coat colours
White	100	0	White, yellow, orange
Off-white	95	5	Red
Light grey	70	30	Light green, blue and grey Light metallic green, blue, red and grey Metallic yellow, beige, orange
Dark grey	40	60	Dark green, blue and grey Dark metallic green, blue and grey
Black	0	100	Black, metallic black

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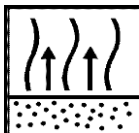
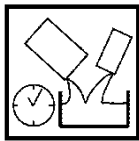
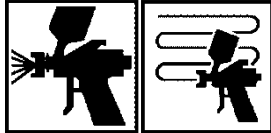


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Application.

Apply with a spray gun at an air pressure of 2.0 to 3.0 bar.

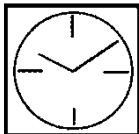


	Primer thick coating	Filler filling	Wet wet
Nozzle dimensions ø	1.7 - 1.9 mm	1.4 - 1.6 mm	1.3 mm
Number of layers	2 x 1	2 x 1	1 x 1
Thickness of a single dry coat	80 mμ	50 mμ	25 mμ
Pot life of the mixture at +20°C	15 minutes	30 minutes	30 minutes

Evaporation time between layers at +20°C:

- 0 minutes

Drying.



	Primer thick coating	Primer filling	Wet wet
Wait for the coating to be ready at 20°C	-----	-----	15 minutes
Maximum readiness time for coating at 20°C	-----	-----	60 minutes
Full cure at +20°C	90 - 120 minutes	45 - 60 minutes	> 60 min *
Drying at + 60°C	15-20	10-15	-----
IR drying:	10-15 minutes	8 - 12 minutes	-----

Grinding.



Once completely hardened, sand:

- dry with P320-P500 sandpaper,
- wet with P600-P1000 sandpaper.

Coverage.

Water-based and organic (conventional) base coats
e.g. APP Modular Spezial Base.
Single- and two-component topcoats
e.g. APP Modular 2K Acryl Line or APP Modular Industrial Line.

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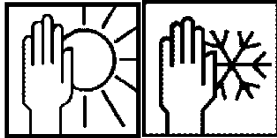


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Equipment cleaning. Nitrocellulose solvent.

Storage



Store in closed original containers in a dry and well-ventilated room.
Protect from freezing.

Health and safety regulations



For professional use only.
See: text on product labels or in the for hazardous products.
The user must comply with the health and safety regulations in force in their country.

VOC

Permissible VOC value g/l in the ready-to-use product.
540 g/l for APP AcrylFiller HQ Fast
Maximum VOC content g/l in the ready-to-use product.
405 g/l for APP AcrylFiller HQ Fast as a thick-film primer
426 g/l for APP AcrylFiller HQ Fast as a filling primer
530 g/l for APP AcrylFiller HQ Fast as a wet-on-wet primer

* Once ready for topcoat application, wait until fully cured and sand as a classic primer using P400-P500 sandpaper.

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