

pufamur Fine-Surface-Filler AS 5



* Under guidance paper no. 2 issued by Gypsum Board Industry Group of German Federal Association of Gypsum Industry

General product description:

pufamur Fine-Surface-Filler AS 5 is an extra-fine dispersion filling compound for indoor wall and ceiling surfaces. It allows straightforward, seamless application and is easy to sand when fully dried.

Properties:

- fine finish
- extra-fine filling compound
- even suitable for production of coatable substrates
- allows feathering (thinning) out at edges to produce unbroken surface
- application thickness up to 5 mm
- easy to smooth
- CE-compliant to DIN EN 13963-2A

Use: Indoors

Areas of application: For all mineral substrates (e.g. plaster/render, concrete, aerated concrete, masonry), emulsion paint coats, synthetic resin plasters, and gypsum plasterboard and other drylining board.

Technical data:

Raw material base:	Polymer dispersion, mineral fillers, additives
pH value:	Approx. 8.5
Density:	1.7 g/cm ³
sd value [m]:	< 0.10
Aggregate size:	< 0.25 mm

Note:

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Technical Information

Standard colour:	White
Dilution:	Filler may thicken if stored for longer periods. In such cases, it may be diluted with max. 5 % water and thus remain workable.
Consumption:	Approx. 1.7 kg/m ² for 1 mm coat thickness
GISCODE (German hazardous substances classification) for coating materials:	BSW20

Substrate condition:

Substrate shall be dry, clean, solid, strong, and free from laitance and adhesion-impairing or corrosive substances. Check any existing coatings for adequate strength. Fully remove any inadequately strong coatings along with any lining paper or wallpaper adhesive residue. Treat mould and any other microorganism infection with suitable products. Pretreat highly absorbent, friable and chalking substrates and sanded surfaces with PUFAS Hydrosol Primer Deep-Penetrating LF. Fill any deep holes, chips and spalls with pufamur Super Bonding Filler SH 45 or pufamur Premium Filler S 60 easy. Substrates shall be assessed and treated in accordance with VOB (German Construction Contract Procedures) Part C 18363, Sections 2 and 3.

Application guidance:

Application method:	By trowel or suitable airless spray equipment
Compatibility:	Do not mix with other materials.
Application:	pufamur Fine-Surface-Filler AS 5 is supplied ready-for-use and can be applied directly to substrate from tub. Stir well prior to use. Max. 5 % water may be added to adjust consistency.
Temperature:	Constant minimum fabric and ambient temperature of + 5 °C required throughout application and drying process.
Drying time:	Drying time is approx. 12 – 24 hours, depending on coat thickness, temperature and humidity. Unfavourable conditions, high coat thicknesses and non-absorbent substrates may result in longer drying times.
Note:	Mask areas not to be treated. Immediately remove splashes on glass, ceramics, clinker, natural stone, varnish, lacquer, metal etc. with clear and clean water.

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Spray application:

pufamur Fine-Surface-Filler AS 5 can be applied with high-performance spray equipment. In such cases, all filters shall be removed from equipment and – if present – also from gun. For spray application, use combi-filter A2/P2.

System	Nozzle size**	Spray angle**	Spraying pressure	Filter	Dilution
Suitable airless spray equipment*	0.033 – 0.053 inch	- 30°	Approx. 200 bar	No filter	See Application

* High-performance airless spray equipment – e.g. starting from Wagner HeavyCoat 750 E, Wagner PlastCoat HP 30, Graco Mark VII or similar

** Select nozzle size and spray angle so as to achieve uniform spray pattern without edge zones.

Examples:

Spray equipment	Wagner HeavyCoat 750 E	Wagner PlastCoat HP 30	Graco Mark VII
Gun	AG19	AG19	BTS Blue Tex Spray
Nozzle type	2SpeedTip	TradeTip 3	HDA (heavy-duty application)
Nozzle	S20 539/243	443	535
Static pressure	-	-	140 bar
Spraying pressure	200 bar	120 bar	-
Max. hose length	15 m 2.5 m	12.5 m	15 m
Hose diameter	DN 13 DN 10	DN 19	3.5 m whip hose, 3.8 inch

For further details, please contact relevant equipment manufacturer (details e.g. in Wagner Spray Guide at <https://sprayguide.wagner-group.com/materialtest/0298/9064/1378/928/254323/5428/577/20629> and <https://sprayguide.wagner-group.com/materialtest/925386/4144938/77586/936258/254976/00771756/40204689/0250371591>)

Practical tips:

Start by uniformly spraying and smoothing down pufamur Fine-Surface-Filler AS 5 on ceiling surfaces, then treat wall surfaces. With large or high-ceilinged spaces, first spray and smooth down filler on ceiling and upper sections of wall. Then treat lower part of wall surfaces.

Smoothing down may commence immediately or after short waiting time, depending on temperature, ambient conditions and substrate suction. Where filler is applied to smooth substrates, level surface can normally be achieved in a single operation.

Rough substrates may require two coats. Ensure that specified drying times are observed. Where intermediate sanding is performed, then intermediate treatment with PUFAS Hydrosol Primer Deep-Penetrating LF in undiluted form or diluted in proportion of max. 1:1 is required. Appearance of filler-coated surfaces – and thus starting conditions for finishing coat – are heavily dictated by sanding pattern and selection of correct abrasive. Consequently, abrasive shall always be selected to meet demands imposed by finishing coat. For best sanding results, use of grit size > 100 or finer is recommended.

For surfaces to receive wallpaper, pretreatment with PUFAS Hydrosol Primer Deep-Penetrating LF is required prior to bonding wall covering.

Where bonding and wallpapering works are subsequently performed, only a slider cutter shall be used for any necessary double-cutting.

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Other guidance:

Clean tools with water immediately after use or where works are interrupted for a longer period.

Precautionary statements:

If medical advice is needed, have product container or label at hand.

Up-to-date safety data sheets are available from our website at www.pufas.de or from sds@pufas.de.

Storage:

Keep out of reach of children. Store in cool, though frost-free environment in properly sealed containers.

Disposal:

Hand over only fully emptied containers for recycling. Dried material residue may be disposed of as domestic or construction site waste. Dispose of liquid waste under EWC waste code: 08 04 10.

Container sizes:

	Item	EAN
8 kg	033704000	4007954337042
15 kg	033705000	4007954337059

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Finishing with vapour-impermeable or vapour-checking wall coverings

Following operations are essential where vapour-impermeable or vapour-checking wall coverings are to be bonded to filler-coated surfaces:

Substrate preparation: It shall be ensured that all existing surfaces are in suitable condition to allow proper overcoating with filling compound. Substrates shall be dry, solid, strong and uniformly absorbent. Additional preliminary works may be necessary to meet high demands for finishing coat – see BFS (German Federal Committee for Paint and Protection of Material Assets) guidance papers 10/12/16, VOB (German Construction Contract Procedures) 18363, Section 3 and substrate requirements specified by wall covering manufacturer.

Thoroughly remove existing wallpaper, unsuitable filling compounds and all adhesion-impairing substances (e.g. mould oil) prior to overcoating. This also applies for inadequately strong emulsion paints, varnishes, lacquers and wallpaper adhesive residue. Remove any existing mould infection with suitable products (manufacturer's specifications shall be observed). Treat highly absorbent, friable and chalking substrates with PUFAS Hydrosol Primer Deep-Penetrating LF. Pre-fill any deep holes, chips and spalls with powder filler – e.g. pufamur Super Bonding Filler SH 45 or pufamur Premium Filler S 60 easy.

To promote adhesion of filler when applied to very smooth concrete surfaces, pretreatment with PUFAS Concrete Primer B 10 may be advisable. This decision shall likewise be taken on site by applicator depending on particular conditions.

A minimum substrate and room temperature of +5 °C shall be maintained throughout substrate pretreatment.

Filler coating: After preparatory primer has dried, pufamur Fine-Surface-Filler AS 5 can be applied in 0 – 5 mm coat thickness. Stir material well – preferably by machine. Max. 5 % water may be added to adjust consistency. Filler may be applied manually or with suitable spray equipment.

After filler has fully dried, surface may be sanded. Optimum window for sanding is approx. 2 – 3 days (after which sanding effort is likely to increase).

Pretreat sanded surface by brush with PUFAS Hydrosol Primer Deep-Penetrating LF, diluted with water in proportion of 1:1. Likewise ensure that primer has fully dried prior to commencement of wallpapering.

Recommended adhesive: Use low-water-content system for bonding – e.g. PUFAS Wallpaper Adhesive CC crystal clear – applied by wall-pasting method.

Note: Observance of drying times is key to good-practice application – all materials used shall be fully dried before next operation is performed.

Where bonding and wallpapering works are subsequently performed, only a slider cutter shall be used for any necessary double-cutting to prevent damage to filler coat and any reduction in substrate stability.

Given the wide variety of possible substrates and ambient conditions, the applicator shall in all cases be responsible for evaluating the site conditions and ensuring good-practice performance of all operations necessitated by these.

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