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TECHNICAL
DATA SHEET

REV.7 29/09/2025

S14 FILLER

DEFINITION

Two-component polyester filler for cars, trucks, buses, and industrial vehicle bodies. Suitable as a filler for irregular surfaces and deep sanding marks.
Compared to conventional systems, it offers speed and good sandability in a short time, without any shrinkage or absorption occurring. Excellent adhesion on various substrates.

CHARACTERISTICS

- Chemical nature: unsaturated polyester resin
- Colors: grey
- Density: 1.45 ± 0.03 g/cm^3
- Non-volatile content: 72% ± 2
- Temperature resistance: up to 80-120°C depending on the thickness of the substrate

SUBSTRATE PREPARATION

Surfaces must be perfectly degreased, sanded, clean, and dry. Applicable on:

- Bare metal;
- Galvanized steel after applying Z41/Z42 epoxy primer;
- Old finishes/primers;
- Fiberglass;
- Wood composites;
- Cast iron or cast steel machinery bases, after thoroughly brushing to remove any traces of sand from casting molds or mill scale;
- Cast or stamped aluminum, after thoroughly degreasing and applying Z41/Z42 epoxy primer. On cast aluminum, any pitting that becomes apparent after a generous first coat of S14 can be eliminated by directing some product into the pit itself and then levelling with the final spray coat.

Do not apply over wash primers or wash fillers.
Before application, it is reccomended to perform preliminary tests to check the product's compatibility with the surface to be treated, considering the wide variety of application conditions and materials on the market.

The effectiveness of our products is based on practical experiences and research work carried out in our laboratories; nevertheless we accept no liability for work carried out following our instructions being clear that the final result depends in all cases on a series of unforeseeable factors.

* For any information about product codes or packs, please see our catalogue, our price list or contact us.

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QUALITY SYSTEM CERTIFICATION
DNV
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PREPARATION OF THE MIXTURE

Catalyze with 2% of the dedicated liquid hardener. Mix the two components thoroughly.
If necessary, dilute up to 5% by weight with the dedicated thinner (SP21 Thinner). **Nitro or other types of thinners must not be used.**

POT-LIFE

At 20°C (test performed on 200 grams of catalyzed product): 25±5 minutes

APPLICATION

Apply the product using a gravity-feed gun, nozzle 2–2.5 mm, pressure 3–4 atm.
Given the good vertical hold, a thickness between 100 and 500 microns and beyond can be achieved with 2 or 3 coats, spaced by a few minutes.
Do not apply below 5◦C. The final mechanical properties vary depending on the working temperature.

SANDING

Minimum sanding time:

- Air dry at 20°C: 3/4 hours
- At 60°C: 30 minutes
- With IR lamp (d=70-80 cm): 8/10 minutes

Sequence: P120–P240

OVERPAINTING

Given the wide variety of waterborne and solvent-based topcoats and similar products, it is recommended, after sanding the S14 filler, to apply a coat of 4+1 Filler or 5+1 Filler. Only subsequently should the waterborne or solvent-based topcoat be applied.
Due to the variety of coating cycles and application conditions, it is highly recommended to perform preliminary tests to verify the compatibility of the chosen coating system with the applied product. Each cycle must be evaluated in advance, as variables can significantly influence the final result.

STORAGE

Store the product in a cool and dry environment, away from the direct sunlight, in between 5°C and 35°C.

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