



SPECIALITY ENGINEERING CHEMICALS

ENGINEERED SOLUTIONS

SpECseal SuperTack

HYBRID POLYMER ADHESIVE

DESCRIPTION

SpECseal SuperTack is a high quality, neutral, elastic, 1-component adhesive based on Hybrid Polymer with a very high initial tack.

TYPICAL USES

- Elastic bonding of Panels, Profiles and many building materials such as: stone, concrete, mirrors, glass, plasterboard, PU, PVC, hard plastics, aluminium, metals, stainless steel
- Adheres perfectly without primer on most surfaces
- Direct tack, no support needed

ADVANTAGES

- High initial tack reducing the need for initial support.
- Fast curing
- Good extrudability high shear strength after full cure (no primer)
- Stays elastic after curing and very durable
- Impervious to mould
- No odour.
- Can be painted with water based systems
- Good weather and UV resistance
- Isocyanate free and silicone free
- Good adhesion on slightly moist substrates

TECHNICAL DATA

PROPERTIES	VALUES
Color	White, Grey, Beige, Black
Basis	Hybrid Polymer
Consistency	Stable Paste
Curing System	Moisture Curing
Skin Formation (23 °C/50% R.H.)	Ca. 18 min
Curing Speed (23 °C/50% R.H.)	3 mm/24h
Hardness	55 ± 5 Shore A
Density	1.40 ± 0.05 g/ml
Elastic Recovery (ISO 7389)	> 75 %
Elasticity Modulus 100% (ISO 37)	2.10 N/mm ²
Elongation at Break (ISO 37)	250 ± 25 %
Temperature Resistance	-40 °C → 90 °C
Application Temperature	5 °C → 35 °C

APPLICATION

Substrates

All usual building substrates, treated wood, metals, PVC, plastics

Nature

Rigid, clean, dry or slightly moist, free of dust and grease.

Surface Preparation

Porous surfaces in water loaded applications should be primed with SpECtite Primer EP121.

Not suitable for PE, PP, PTFE, bituminous substrates, copper or coppercontaining materials such as bronze and brass.

We recommend a preliminary adhesion and compatibility test on every surface.

Method

With manual or pneumatic caulking gun.

Cleaning

Clean with SpECseal Cleaning Liquid immediately after use.

Finishing

With a soapy solution before skinning.

Repair

With the same material.

JOINT DIMENSIONS

Min. width for bonding: 2 mm

Min. width for joints: 5 mm

Max. width for bonding: 10 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth.





REMARKS

- SpECseal SuperTack may be overpainted with water based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- The drying time of alkyd resin based paints may increase.
- SpECseal SuperTack can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate, etc, may differ from manufacturer to manufacturer, we recommend preliminary compatibility test.
- SpECseal SuperTack can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- SpECseal SuperTack can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remainigs will stimulate the development of fungi.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- SpECseal SuperTack has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.
- Do not use in applications where continuous water immersion is possible.

PACKAGING

290 ml Cartridge

STORAGE & SHELF LIFE

SpECseal SuperTack

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

CHEMICAL RESISTANCE

Good resistance to (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

ENVIRONMENTAL, HEALTH & SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products.

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Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

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