

PHS MS Hybrid Sealant

PHS MS Hybrid Sealant is a flexible and single-component adhesive sealant. First of all, it is resistant to overnight condensation and it cures with atmospheric moisture to a flexible, rubbery plastic. It also has excellent airtightness properties – it's weather and chemical resistant.

PHS MS Hybrid Sealant is suitable for internal and external elastic bonding:

- Bonding of EPDM to a variety of substrates.
- bonding of rebates, mitres as well as overlaps.
- internal and external joint sealing.
- finally – for bonding of construction components made from plaster, natural stone, aluminium, steel, zinc, copper, glass, wood, MDF, tiles, ceramic among each other or on solid mineral subsurface.

Advantages

- Very rapid and secure working.
- Free of solvent and neutral in odour.
- Resistant to overnight condensation.
- Adhesion to a variety of materials such as: concrete, aluminium blank and powder coated, unplasticised PVC, wood as well as many other normal building materials.
- Excellent adhesion force also on many solvent sensitive substrates as polystyrene foams, e. g. XPS and EPS.
- Processing possible from -5°C.
- Single-sided adhesive application.
- No pre-treatment of the membrane.
- No flash time, no additional risk of contamination.
- Self-levelling, unproblematic application to uneven foundations (cavities in concrete).
- Adjustment possibilities for laminate up to 30 minutes after adhesion.
- Possesses excellent weather, UV and chemical resistance.
- Harmonized to building conditions.
- As a result – long-lasting adhesion and sealing.
- Causes no blister formation.
- Finally – low shrinkage & elastic.



Technical Data

Basis	silane terminated polymer
Colour	black
Curing System	atmospheric humidity
Transfer Rate	> 100g/min, DIN52 456 - 6mm
Spec. weight	approx. 1.5g/cm ³ , DIN52 451 - PY
Skin formation time	approx. 1h, +23C / 50% r.h.
Curing	approx. 2mm/24h, +23C / 50% r.h.
Volume change	< -3%, DIN52 451 - PY
Stress-strain value at 100%	approx. 0.4N/mm ² , DIN52 455 NWT
Tensile strength	approx. 1.0N/mm ² , DIN53 504
Shore A Hardness	approx.25, DIN53 505, 4 weeks +23C
Permissible net deformation	25%
Temp. resistance	-40C to +80C
Processing temp.	+5C to +40C, verified by cert. from MPA, under destined conditions