JUB d.o.o.
Dol pri Ljubljani 28, SI-1262 Dol pri Ljubljani
T: 080 15 56, 01 588 4280, E: info@jub.eu
jub.eu

TECHNICAL SHEET 28.03.03-EN

SIGILL Hybrid High Tack 890

High initial tack adhesive

1. Description, Application

SIGILL Hybrid High Tack 890 is a high grab and green strength one-component, gun-grade, non-sagging SiMP (Silyl Modified Polymer) elastic assembly adhesive. It cures under the influence of atmospheric moisture to form a high performance, permanently flexible elastic adhesive with outstanding body when applied.

2. Certificates

Compliant to:
LEED iEQc 4.1; SCAQMD Rule 1168; BAAQMD Reg 8 Rule 51

3. Technical data

Packaging	290 ml
Appearance	Tixotropic paste - non sagging
Color	White
Chemical nature	SiMP - silyl modified polymer
Curing mechanism	Moisture curing
Curing trough volume [mm/24h] (NPT method 07) (23°C and 50% RH)	~ 3 mm
Hardness shore A (DIN 53505)	~ 60
Density	~ 1.47 g/cm³

JUB d.o.o.
Dol pri Ljubljani 28, SI-1262 Dol pri Ljubljani
T: 080 15 56, 01 588 4280, E: info@jub.eu
jub.eu

(NPT method 06) (23°C and 50% RH)	
Skin forming time (NPT method 17) (23°C and 50% RH)	~ 20
Elastic modulus (ISO 37 DIN 53504)	2.5 N/mm²
Tensile strength (ISO 37 DIN 53504)	~ 3,2
Elongation at break (ISO 37 DIN 53504)	~ 250
Application temperature	from +5° to +40°C
Temperature resistance	from -40°C to +100°C

4. Installation Conditions

The optimum operating temperature for both substrate and sealant is between +15°C and +25°C.

5. Areas of Application

SIGILL Hybrid High Tack 890 is a powerful and versatile elastic adhesive for all bonding jobs where a maximum instantly grab is required with no need of extra support, for heavy objects and a wide range of materials including metals, sheet steel (galvanized, plated and painted), untreated or anodized aluminum, brass, copper, glass, GRP, wood, concrete and many rigid plastics. For use in elastic structural bonding applications in paneling, construction, facades, assembly, transportation, and marine, where a powerful elastic adhesive with extreme green strength and quick strength build-up is required.

6. Features

- SiMP Silyl-Modified Polymer
- Solvent and isocyanate free, odorless
- Outstanding thixotropy, non-sagging, short cut-off string
- High green strength: High grab and load bearing capacity
- High mechanical and dynamic stress resistance
- Shock and impact resistance
- Vibration and sound damping properties
- Increase torsional stiffness of final assembly
- No bubble formation
- Excellent primerless adhesion on all typical industrial materials and substrates
- Non-staining. Neutral behavior, does not attack support surface
- No Hazard symbol required. Odorless
- Over-paintable with many water and solvent based paints (preliminary tests recommended)

7. Instruction for Use

The surfaces to be treated should be perfectly clean, dry and free from dust and grease. It is necessary to treat the bonding surface according to NPT application guidelines, eventually using a specific CLEANER or ACTIVATOR from NPT range. It is advisable to carry out preliminary adhesion tests on the support.

Apply the plastic nozzle and cut it at an angle according to the desired bead thickness and profile. Fit the cartridge into a manual or pneumatic air operated gun (provided with telescopic piston) and extrude the adhesive/sealant carefully preventing air entrapment. Once opened, packs should be used up within a relatively short time.
Bonding and fixing: apply the adhesive on one side only by lines (every 10-30 cm). Always apply the adhesive in corners and along edges. Join parts in the right position within 5 minutes and press firmly or tap lightly with a rubber mallet. The grab is immediate; if necessary, secure or support heavy materials for 24 hours.

Do not cure in the presence of curing silicone sealants. Avoid contact with solvent cleaners during cure. When

applying sealant, avoid air-entrapment. Since the system is moisture-cured, permit sufficient exposure to air. Bonded elements may require additional holding or support during curing period.

8. Cleaning of Equipment and Personal Protective Measures

Clean the tools used with ethyl alcohol. When the adhesive has not yet hardened, it can be removed using paper or a cloth. Once hardened, the product can only be removed mechanically.
Avoid skin contact by using latex, rubber or polyethylene gloves. If it comes in contact with the skin, remove immediately and wash with soap and water.

9. Storage, Transportation Conditions and Shelf Life

SIGILL Hybrid High Tack 890 can be stored for 15 months in its original packaging (unopened container) between 10°C and 25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time.
Keep away from wet areas, direct sunlight and heat sources.

10. Other Information

Technical instructions are given based on our experiences and are given as a guideline for achieving optimal results. We cannot take any responsibility for the damage, caused by incorrect selection of a product, incorrect use or unprofessional work. JUB also bears no responsibility in cases where the substrate for the application of our products is prepared inadequately or with materials of inadequate quality from other manufacturers. In the case of applying our products to existing substrates of old coatings or pre-prepared substrates with materials from other manufacturers, it is obligatory to make appropriate test fields with all the intended applications of JUB products, in accordance with the technical instructions, before starting the work.
Safety measures: Follow the instructions on the safety data sheet of the product.

This technical sheet supplements and replaces all preceding editions. We reserve the right to change and supplement data in the future.

Denomination and date of publishing: TDS 007/25-čad, 25.02.2025