Ess Tack HTX white

Fast curing, elastic 1-component adhesive/sealant based on a MS-hybrid-polymer, with accelerated initial adherence (high tack), moisture curing, neutral polymerisation, odourless. Free of solvents, silicones and isocyanates.

Application

Bonding in sectors of construction and industry of steel, metal, aluminium, wood, laminate, cork, plastics, concrete, stone, plaster, ceramics and so on., as for example wood panelling, baseboards, decorative panels, insulating and acoustic boards, decorative moulding, wall claddings, panels, doorsteps, insulation materials, polystyrene, tiles, natural stone, window seats and so on. Also suitable for elastic bonding in sector of metal-, apparatus- and machine-engineering, plastics- and electrical technology, ventilation engineering and air-conditioning, car bodywork, automotive, wagon, container and car manufacturing. Ess Tack HTX is suitable for any bonding where a high initial tack is required, where a danger of pollution by silicone exists or where painting over something afterwards is required.
In general, bonded elements do not need any support after the application of the adhesive.
Adheres and sticks right away!

Processing

Apply only on clean, dry, fat free surfaces in perfect structural condition. Ess Tack HTX adheres to various substrates without Primer. For best results, we recommend the use of Primer V2 on non absorbent and V21 on absorbent surfaces. Bonded metals can be spot welded and immediately coated “wet-on-wet” with most of the usual coatings. Ess Tack HTX can also be painted with powder coatings and loaded for a short time during the baking process (up to 200°C). For any applications, we recommend preliminary tests for bonding.

Technical data

Shore-A-hardness (DIN 53505) After 3 weeks of storage at 23°C / 50% H.R.		53 ± 2
Modulus elongation at 100% and 23°C (DIN 53504 S2) storage at 7 days at 23°C / 50% H.R.		approx. 1.3 N/mm^2
Elongation at break (DIN 53504 S2) Storage at 7 days at 23°C / 50% H.R.		approx. 400%
Tensile strength (DIN 53504 S2): Storage at 7 days at 23 °C / 50 % rf		approx. 3.1 N/mm^2
Consistency (DIN EN 27390)		paste-like, highly viscous
Curing through at 23°C / 50% H.R.	after 24 h: after 48h:	approx. 3.5 mm approx. 4.5 mm
Density bei 23°C / 50% H.R.		1.43 g/cm^3
Change of volume (DIN 52451)		approx. 7%
Water vapour permeability		400 – 500 µ

Temperature resistance	-40 up to +90°C for a short time +200°C (approx. 15 min.)	
Shear strength (DIN 1465)	after 24 h after 48 h after 7 d	0.7 N/mm^2 1.3 N/mm^2 2.4 N/mm^2
Resistance to tear strength (DIN ISO 34-1)	2.2 N/mm	
Shelf life	in original box: 12 months from production date	
Conditions of storage	cool and dry	

Ess Tack HTX is compatible with paints.
Because of the variety of varnishes and paints existing on the market, we recommend preliminary tests. Drying process may be held up when using paints based on alkyd resins.
The varnish should be applied to the sealant within 4 hours.
The best results are obtained with a wet-on-wet application.
After cleaning with acetone, joints can be varnished at any time.

Ess Tack HTX is compatible with natural stone and can be used as an adhesive for bonding of mirrors.

ESSVE PRODUKTER AB SE-19127 Sollentuna ☎ +46 (0)8 6236100 www.essve.com

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

PRODUCT NAME:	**ESS TACK HT-X**
USE:	Sealant and adhesive for universal application. Good joining abilities to most building materials.
SUPPLIER:	ESSVE PRODUKTER AB, Box 770, 191 27 Sollentuna, Sweden. Internet: www.essve.se
CONTACT:	Magnus Carlson, tel. +46 (0)8 623 61 00, mca@essve.se. For information about the safety data sheet, alexandra.stewart@goodpoint.se.
EMERGENCY PHONE:	If acute emergency dial: tel. 112 More information: Swedish Poisons Information Centre tel.+46 (0)8 33 12 31

2. HAZARDS IDENTIFICATION

Health:	*The product is not classified as harmful.* Upon direct contact with the eye, the product may cause mild irritation.
Environmental:	*The product is not classified as hazardous to the environment.*
Fire:	Non flammable.
Physical/ chemical:	-

3. COMPOSITION/ INFORMATION ON INGREDIENTS/CLASSIFICATION OF SUBSTANCES

Substance	EC No	CAS No.	Percentage %	Classification; Risk-phrases*
3-(triethoxysilyl)-1-propanamine	213-048-4	919-30-2	<2,5%	Xn; R22 C; R34

* *Classification and Risk-phrases in compliance with Regulation (EC) No 1272/2008, Annex VI, table 3.2*
** *Own classification*
*** *Producers classification*
Declared R-phrases are explained under chapter 16.

4. FIRST- AID MEASURES

Inhalation:	Fresh air. Seek medical advice if symptoms arise.
Skin contact:	Wash the skin carefully with soap and water. At remaining skin irritation, seek medical advice.
Eye contact:	Rinse the eyes with plenty of water for several minutes. Keep the eyelids open and remove possible contacts. Seek medical advice if pain remains.
Ingestion:	Drink a few glasses of milk or water. Seek medical advice if a larger amount has been swallowed or if symptoms arise.
Information to medical adviser:	-

Updated Safety Data Sheet is available at Swedish Poisons Information Centre tel.+46 (0)8 33 12 31

5. FIRE- FIGHTING MEASURES

Suitable extinguishing agents are – powder, foam, carbon dioxide or water spray. Container near fire should be removed or cooled with water.

6. ACCIDENTAL RELEASE MEASURES

Avoid discharge to drain. Use only in well-ventilated areas. Gather mechanically or absorb waste with an inert liquid binding material and treat as conventional waste (see chapter 13 for disposal considerations).

7. HANDLING AND STORAGE

Avoid prolonged inhalation of and direct contact with the product. Store in a closed container in a cool, dry area.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Ensure adequate ventilation.

Technical protection:	-
Personal protection:	Use safety goggles. At prolonged or often repeated handling protective gloves ought to be used. When used at a greater extent or in areas with inadequate ventilation, respiratory protective equipment (gas mask with gas filter A (brown)) ought to be used. At the risk of direct contact or splashes, use suitable protective clothing.
Recommended glove material:	Consult a manufacturer of chemical protective gloves in making the appropriate choices of glove material, depending on the breakthrough time and permeation rate.
Limitation of environmental exposure:	Avoid discharge to drain (see also chapter 6 and 7).

Exposure limits according to the Swedish Work Environment Authority *(AFS 2005:17)*

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous liquid, with characteristic odour. White colour.
Density:	1 g/cm^3 (at 20° C)
Solubility in water:	Insoluble

10. STABILITY AND REACTIVITY

Stable under normal conditions and recommended use. Never mix with other products without knowing it is safe.

11. TOXICOLOGICAL INFORMATION

Inhalation:	At normal and recommended use, no health risks are expected.
Skin contact:	At normal and recommended use, no skin irritation is expected.
Eye contact:	At normal and recommended use, no eye irritation is expected. Upon direct contact with the eye, the product may cause mild irritation.
Ingestion:	At normal and recommended use, no health risks are expected.
Toxicological data:	3-(triethoxysilyl)-1-propanamine: LD50 1780 mg/kg (oral-rat), LD50 3800 mg/kg (dermal-rabbit)

12. ECOLOGICAL INFORMATION

The product is not expected to cause any negative effects to the environment.

Mobility, persistence and biodegradability:	The product is not easily biodegradable.
Bioaccumulation:	3-(triethoxysilyl)-1-propanamine: Log P_{ow} - 0,3

13. DISPOSAL CONSIDERATIONS

Treat as conventional waste, EWC-code 08 04 10, in accordance to local regulations (Avfallsförordningen, SFS 2001:1063). Empty container should be recycled, in accordance to local regulations.

14. TRANSPORT INFORMATION

Not a hazardous product regarding transport legislation.

15. REGULATORY INFORMATION

Symbols

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Contains:

3-(triethoxysilyl)-1-propanamine

Risk and Safety phrases

The product is not classified as harmful according to Swedish regulations KIFS 2005:7.

Other labelling:

Safety data sheet available for professional user on request.

Other regulations:

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16. OTHER INFORMATION

References:

Kemiska Ämnen on line, Prevent.

Information from the supplier.

This material safety data sheet was prepared in compliance with KIFS 2005:7, (Commission Directive 67/548/EEG, 2001/59/EG and 1999/45/EG, 2001/60/EG), REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (Reach) and REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (CLP).

Declared R-phrases under chapter 3.

R 22	Harmful if swallowed	R 34	Causes burns

This new safety data sheet is dated 2010-01-27.