



INTELLIGENT MEMBRANES

LIQUID APPLIED MEMBRANES



INTELLIGENT PROTECT

PRODUCT SHEET

INTELLIGENT PROTECT



Sprayed peelable film with high weather resistance for the temporary protection of windows and surfaces. Remove at the end of construction works as a plastic foil.

DESCRIPTION

INTELLIGENT PROTECT is a waterborn, ready-to-use liquid based on state of the art polymer technology. This liquid is spray applied and quickly dries to a peelable, light-transparent colourless film. This film protects windows and concrete surfaces against damages and pollutions that occur during construction works. INTELLIGENT PROTECT protection film can stay on the protected surface for up to 18+ months. When construction works are finished, the protective film is easily removed and does not leave any residue. Suitable for inside and outside use.

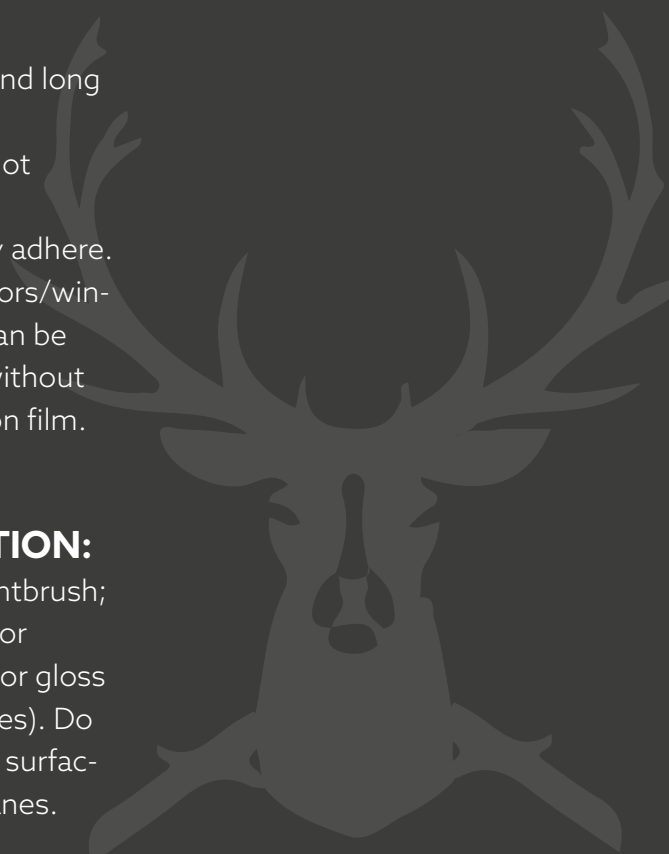
ADVANTAGES

- » Complete and effective protection against damages and pollutions caused by plastering works, sprayed insulation foam, sparks of grinding discs and concrete casting.
- » Fast application with airless spray device.
- » Solvent free.
- » Both for inside and outside protection; short and long term.
- » INTELLIGENT PROTECT protective film does not detach due to wind.
- » Also for use on surfaces on which tapes hardly adhere.
- » By letting INTELLIGENT PROTECT dry with doors/windows slightly open, these windows and doors can be opened and closed during construction works without detaching the INTELLIGENT PROTECT protection film.

PRIOR TO STARTING THE APPLICATION:

- » Perform a trial on a little visible area with a paintbrush; remove after 3-7 days and evaluate the surface for suitability and for possible colour (i.e. concrete) or gloss differences (i.e. glossy aluminium window profiles). Do not use on polycarbonate glass, nor on wooden surfaces. In case of doubt, contact intelligent membranes.

good to know



INTELLIGENT PROTECT

PRIOR TO STARTING THE APPLICATION:

» When applying INTELLIGENT PROTECT on porous or fresh concrete surfaces, hydrophobic pre- treatment of the concrete surface is NEEDED with the intelligent membranes product STONESHIELD. INTELLIGENT PROTECT applied on fresh concrete also acts as a curing compound and improves the quality of the concrete. However, this may cause colour differences compared to concrete adjacent, where no INTELLIGENT PROTECT has been used.



APPLICATION:

» Stir INTELLIGENT PROTECT for homogenisation (do not add solvents or water). » Minimum requirements during application and drying: T: > 5°C, dry surface; do not apply during rain, or when rain or frost is expected the next 24-48 hours. » INTELLIGENT PROTECT is sprayed with an airless spray device at 100 to 150 bar pressure, and with a spray tip opening of between 0,015 and 0,019 inch. » Total minimum consumption of INTELLIGENT PROTECT as to guarantee easy peelability and protection: – Windows: 0,6kg/m² or ~600 micron – Concrete surfaces: 0,9kg/m² or ~900 micron (~0,9kg/m²) Verify layer thickness with a wet film gauge. Do not apply more than 1,5kg/m² (~1500 micron). » To speed the drying and to avoid pinholes on concrete surfaces, the application in two passes is recommended, the second pass shortly after and crosswise over the first pass. » Avoid overspray on adjacent surfaces by protecting these during application. » Depending on temperature, humidity, ventilation and sprayed thickness, the film will be tack free within 4 to 8 hours after application, and the total drying time is between 12 and 48 hours during which the film may not come in contact with rain or any other form of water, nor with temperatures < 5°C. » Do not apply INTELLIGENT PROTECT in full sunlight or on concrete with a temperature > 30°C. In that case, cool down the concrete by water hosing, once the surface is dry, INTELLIGENT PROTECT can be applied. » During application, keep the pail under the airless closed to avoid skin formation. » In case of inside application, allow ventilation. » Cleaning material: after use with water. Remove INTELLIGENT PROTECT after the construction phase or time of: - Concrete surfaces: within 12 months after application at T: >5°C » Window surfaces: within 18 months after application at T: >5°C

TECHNICAL DATA

» View: white liquid; light transparent colourless film after drying; » Consumption: minimum total consumption: 0,6kg/m² (0,9kg/m² for concrete surfaces) » Density: +/- 0,95 kg / L; » Properties of the protection film: semi-transparent, flexible, peelable; » Weather resistant after 4 to 48 hours, depending layer thickness, temperature and substrate condition; » Storage: 5 – 20 °C; store out of direct sunlight; » Conservation: 12 months from date of production in unopened and original packaging.

CERTIFICATIONS

Test Institute	Test	Standard	Value
	UV- and weather resistance	EN ISO 16474 -3:2013	400h
	System valuation:concrete and window protection	VERITAS	PASS

INTELLIGENT PROTECT

PACKAGING

10kg pail - Pallet: 44 x 10 kg or 120kg drum - Pallet: 3 x 120kg

SAFETY

Consult the safety data sheet prior to application. Requested to wear eye protection, mouth mask, gloves and safety wear.

EXTRA

Intelligent membranes cannot be held liable for damages on surfaces protected with INTELLIGENT PROTECT.

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