



INTELLIGENT MEMBRANES



INTELLIGENT PROTECT | HI VIS

PRODUCT SHEET

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▶ **Brush applied peelable film with high weather resistance for the temporary protection of window/surfaces and valuables or hazards which need to be protected and seen. Remove at the end of construction works as a plastic foil.**

DESCRIPTION

INTELLIGENT PROTECT HI-VIS is a waterborn, ready-to-use liquid based on state of the art polymer technology. This liquid is Brush applied and quickly dries to a peelable, hi-visibility colour Hi-vis yellow/green. This film protects windows/objects and concrete surfaces against damages and pollutions that occur during construction works. INTELLIGENT PROTECT HI-VIS 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, muck, mud and weathering. » Fast application with paint brush. » Solvent free. » Both for inside and outside protection; short and long term. » INTELLIGENT PROTECT HI-VIS protective film does not detach due to wind. » Also for use on surfaces on which tapes hardly adhere. » By letting INTELLIGENT PROTECT HI-VIS 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.
STONESHIELD REQUIRED FOR CONCRETE AND POROUS SURFACES,

good to know

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APPLICATION:

» Stir INTELLIGENT PROTECT HI-VIS 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.

» Total minimum consumption of INTELLIGENT PROTECT HI-VIS 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 contact 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 HI-VIS 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 HI-VIS can be applied.

» During application, keep the pail closed to avoid skin formation. » In case of inside application, allow ventilation. » Cleaning material: after use with water. Remove INTELLIGENT PROTECT HI-VIS 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: hi-vis yellow/green, drying a hi-visibility; light transparent colourless film after drying or purple liquid drying a slight translucent purple; » 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
SHR	UV- and weather resistance	EN ISO 16474 -3:2013	400h
	System valuation:concrete and window protection	VERITAS	PASS

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PACKAGING

10kg pail - Pallet: 44 x 10 kg or 5kg pail - Pallet: 60 x 5kg

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 HI-VIS. When applying INTELLIGENT PROTECT HI-VIS on porous or fresh concrete surfaces, hydro-phobic pre-treatment is NEEDED using Intelligent Membranes product STONESHIELD. INTELLIGENT PROTECT HI-VIS on fresh concrete surfaces also acts as a curing compound and improves the quality of the concrete, however this may cause colour differences to the concrete adjacent where no INTELLIGENT PROTECT HI-VIS has been used.

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