

RENOLIT ONDEXPLAN

Rigid flat PVC sheets with a smooth or slightly embossed surface

RENOLIT ONDEXPLAN Déco

Rigid flat PVC sheets with a RENOLIT ALKOREN/COVAREN decorative film



Applications

- Canteens, Nurseries, Schools, Child care centres
- Leisure facilities, Sport centres
- Hospitals, Clinics, Laboratories, Nursing homes, Clean rooms
- Car parks, Halls, Lifts
- Food processing, Cold rooms (Changing rooms, Entrance halls, Cafeterias...)
- Hotels, Restaurants, Shops

Presentation

RENOLIT ONDEXPLAN sheets are specially designed for wall protection and interior decoration.

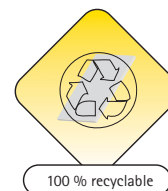
They are available in several colours, tinted in the mass or laminated with different RENOLIT ALKOREN and RENOLIT COVAREN decorative films.

The characteristics of the sheets, whether smooth or embossed, make them the ideal material for environments where high levels of aesthetics, strength, safety and hygiene are required.

Benefits

- Excellent fire rating – self-extinguishing
- High impact strength
- Excellent chemical resistance
- Corrosion resistance
- Scratch resistance
- Easy to clean
- Easy to install
- Easy thermoforming and cold folding
- Recyclable material
- Compliance with the main international standards

7 good reasons for choosing RENOLIT ONDEXPLAN...



Products ranges

	Material	Finish
ONDEXPLAN	PVC sheets tinted in the mass	Smooth – Satin finish- Embossed
ONDEXPLAN Déco	PVC sheet laminated with decorative films	RENOLIT ALKOREN or RENOLIT COVAREN films

The ONDEXPLAN colour chart*



Off-white
Closest match to
RAL 9010

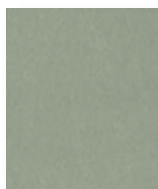


Light beige
Closest match to
RAL 1015



Light grey
Closest match to
RAL 7035

The ONDEXPLAN Déco colour chart*



RENOLIT COVAREN
Brushed aluminium



RENOLIT COVAREN
Messina PC



RENOLIT ALKOREN
Lissa A



RENOLIT COVAREN
Wallis Plum 2SC

* The colours presented in this document may not accurately depict the actual product colour.

Characteristics

Sizes**	1200 x 3000 mm
Thickness**	2 mm
Weight	2.8 kg/m ²

** Special sizes, thickness, colours and decors are subject to minimum quantity.

Chemical resistance

RENOLIT ONDEXPLAN sheets resist to a very wide range of chemical products such as most dilute acids, cleaning products, mineral or vegetable oils, paraffins and fatty acids, alcohols and common aliphatic hydrocarbons and iodized disinfectants.

Contact with chlorinated solvents, ketones, aromatic, aliphatic and halogenous hydrocarbons, nitro compounds and esters must be avoided.

Nevertheless it is recommended that a test is carried out prior to using any product on the sheets to check the compatible behaviour regarding the colour, particularly for the RENOLIT ONDEXPLAN Déco range.

Installation

The sheets can be cold folded and thermoformed or cut with a circular saw. They are easy to drill.

RENOLIT ONDEXPLAN sheets can be fixed to a supporting structure using adhesives suitable for PVC (acrylic, polyurethane, neoprene, MS polymer adhesives. Follow the manufacturer's recommendations).

The junction between the sheets can be made by using a silicone sealant or a method of heat welding.

	Test method	Value	Unit
Fire rating	NF P 92 507	M1	
	NF EN 13 823	B s3 d0	
VOC emissions	ISO 16000	A +	
Hardness shore D	NF EN ISO 868	75	
Density	NF EN ISO 1183	1.4	g/cm ³
Resistance to tensile strength	NF EN ISO 8256	> 300	KJ /m ²
Charpy impact resistance	ISO 179/1Ea	25	KJ / m ²
Service temperature range		-10 à 50	°C
Thermal conductivity	DIN 52 612	0.17	W/(m.K)
Coefficient of linear thermal expansion	D696/79	0.08	mm / m. °C
Vicat softening temperature	ISO 306 a50 (10N)	88	°C
Tensile modulus of elasticity		2400	MPA
Elongation	ISO 527-2/1B/50	42	%
		30	MPA
Tensile strength		1900	MPA
Flexural modulus of elasticity	ISO 178 2mm/mn	1900	MPA
Flexural strength		70	MPA

