

HYPERDESMO® S-2K

Two component, fast curing, Polyurethane liquid membrane for waterproofing and protection.

DESCRIPTION

HYPERDESMO®-S-2K is a two component, very low VOC and high solids content, polyurethane liquid membrane ideal for the waterproofing of wet rooms, under concrete or tiled roofs and balconies. The product allows the waterproofing to be done in one coat as product can cure in high thickness without bubbling and in less than 12 hours. Product complies with **ASTM C836**.

Apply with roller or squeegee in one or two coats with minimum total consumption of 1.5 kg/m².

RECOMMENDED FOR

Waterproofing of:

- Wet rooms.
- Flat roofs, under tiles or screed or protected with an aliphatic top coat.
- Verandas and balconies (under protection).

LIMITATIONS

Not recommended for:

- UV exposure, unless protected with an aliphatic top coat.
- Unsound substrates.
- Waterproofing of swimming pool surfaces in contact with chemically treated water.



For exposed use, a protective topcoat of **HYPERDESMO®-ADY 500** or **HYPERDESMO®-ADY-E** is required.

FEATURES & BENEFITS

- Highly elastic.
- Easy application even on vertical substrates.
- Resistance to cold: The film remains elastic even down to -40 °C.
- Non-toxic after full cure.
- Water vapor transmission: The film breathes so there is no accumulation of humidity under the coat.
- Special primers available for almost any substrate.

APPLICATION PREREQUISITES

Can be successfully applied on:

Concrete/steel reinforced concrete or otherwise, fibrous cement, mosaic, cement roof tiles, wood, corroded metal, and galvanized steel. For information about other substrates, please contact our tech department.

Standard concrete substrate conditions (no primer needed):

- Hardness: $R_{28} = 15 \text{ MPa}$.
- Humidity: $W < 10\%$.
- Temperature: 5-35 °C.
- Relative humidity: $< 85\%$.

Primer selection for special conditions and substrates:

Please refer to the **Primer Selection Table**.

APPLICATION PROCEDURE

Clean the substrate using a high-pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles,

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mould release agents, cured membranes must also be removed. Surface irregularities should also be filled with **HYPERSEAL®-25LM-S** or **HYPERSEAL®-EXPERT**.

Mixing:

Use a low speed (300 rpm) mixer to mix component B prior to mixing both containers. Add component A and mix further until full homogenization occurs. .

Application:

Apply with roller or squeegee in one coat preferably but in the case of multiple coats do not exceed 48 hours between coats.

CONSUMPTION

Minimum total consumption: **1.5 kg/m²** in one or two coats.

CLEANING

Clean tools and equipment first with paper and then using SOLVENT-01. Rollers will not be re-usable.

PACKAGING

Component A 8kg, 4kg, 5kg
Component B 20kg, 10kg, 12.5kg

SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25 °C. Once opened, use as soon as possible.

SAFETY INFORMATION

The MSDS (Material Safety Data Sheet) is available on request.

TECHNICAL SPECIFICATIONS

In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity of mixed product	cP	ASTM D4287, @ 25 °C	6,000-8,000
Specific weight mixed product	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C	1.40-1.50
Pot Life (25°C) & 55% RH	min	Internal Method	>35

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In cured form (after application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Service temperature	°C	-	-40 to 80
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	65-70
Tensile strength at break @ 23 °C	Kg/m ² (N/mm ²)	ASTM D412 / EN-ISO-527-3	>35 (>3.5)
Elongation @ 23 °C	%	ASTM D412 / EN-ISO-527-3	>700
Adhesion to concrete	N/mm ²	ASTM D4541	>1
Water vapor transmission	gr/m ² .hr	ASTM E96 (Water Method)	0.8

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