

DANOCOAT® PAS 700

Final sealing and finishing



Bicomponent elastic polyaspartic resin, with > 95% solid content, storm and UV ray resistant for sealing and finishing of DANOCOAT, DANOPUR and DANOFLOOR systems.



VERY GOOD
BONDING



BICOMPONENT



GOOD
ELASTICITY



STORM RESISTANT

1. PRODUCT DESCRIPTION

DANOCOAT PAS 700 is a two components polyaspartic elastic resin, with > 95% solid content in weight, storm resistant and stable under UV rays, does not turn yellow, with good resistance to abrasion and recommended for sealing and finishing coats (Top Coat) of DANOCOAT, DANOPUR and DANOFLOOR systems to ensure a durable aesthetical effect; of manual application at ambient temperature.

1.1 Uses

- Sealing of DANOCOAT system
- Sealing of DANOPUR system
- Sealing of DANOFLOOR system
- Pavements and roofs in parking lots

1.2. Compatible supports

Concrete, >50 kg/m³ density polyurethane foam, DANOCOAT, DANOPUR and DANOFLOOR systems.

1.3. Advantages

- Excellent resistance to storms and UV rays, does not turn yellow, maintains the aesthetical look
- Fit for total immersion and contact with chlorinated waters
- Good bonding and resistance to abrasion
- Good chemical resistance
- Elastic. Crack bridging capacity
- Fast curing
- Solid content > 95%
- Short time of servicing
- Good opacity
- It is possibly to make it anti-slip with DANOCOAT Non-slip anti-slip. Complies with Class 3, according to UNE EN 12633:2003 resistance to pavement dislocation

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2. TECHNICAL DATA

PRODUCT DATA		
	COMPONENT A (Polyaspartic resin)	COMPONENT B (Isocyanate)
COLOUR	Colours	Colourless
PRESENTATION	6.5 kg can	3.5 kg can
DENSITY (g/cm ³) at 23°C	1.59 ± 0.05	1.14 ± 0.05
VISCOSITY (MpA.S.) AT 23°C	660 ± 100	1250 ± 250
VISCOSITY MIX (mPa.s.) at 23°C	1100 ± 100	
RELATION A/B (in weight)	100/54	
APPLICATION DATA		
POT LIFE (min) at 23° C and 50% RH	20	
DRY TO THE TOUCH (h) at 23°C and 50% RH	1.5	
SUPPORT/AMBIENT TEMPERATURE (°C)	+8° / +35°C (3°C above dew point)	
PROPERTIES OF THE APPLIED PRODUCT		
SHORE D, ISO 868, 7 days / +23°C	44	
ADHERENCE (N/mm ²), ISO 4624	> 1.5	
ELONGATION TO RUPTURE (%) ISO 527-1	110	
TENSILE STRENGTH (N/mm ²) (IS 527-1)	11	
FINISHING	Shine	
DRYING TIME at 23°C and 50% RH	Light pedestrian traffic: 6h. Vehicle traffic: 24h. Full curing: 7 days	

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3. PREPARATION OF THE SUPPORT

3.1 Characteristics of the support

The support must be cohesive, without loose particles, free from cracks or crevices, with regular surface texture and a tensile strength higher than 1.5 N/mm². Any previous coatings must be eliminated from the support. The support must be clean, dry, without oils, greases, surface slurries or other elements that may harm the adherence. Observe the repainting times of the coat on which it is to be applied.

4. APPLICATION MODE

4.1 Proof of the environmental conditions

Before starting the projection, check if the environmental and support's conditions are adequate:

- Temperature between +8°C and +35°C, and relative humidity <80%
- Wind speed <20km/hour (in case of airless projection)
- Humidity of the support <4%
- Temperature of the support, at least 3°C above dew point temperature
- Protect from the condensation humidity and from rainwater during the first 6 hours after application.

4.2 Preparation of the product

Prior to the mix, it is recommended for the components' temperature A and B to be between +15°C and +25°C. Pour component B into the container of component A and shake the two components for 3 minutes with a low revolutions mechanical shaker (300 to 400 rpm) until obtaining a homogenous mix.

The mix's workability, pot life, is about 20 minutes at a temperature of 23°C and a relative humidity of 50%. With lower temperatures, the pot life increases. On the contrary, with higher temperatures, it reduces.

In certain cases you may add up to 5% of PAS600 thinner, for a better application and extension.

Never add water.

4.3 Application method

DANOCOAT PAS700 is applied at an ambient temperature, continuously, extending it on the surface with a small brush roll in nylon, brush, rubber or airless projection equipment; always corrected by a short brush roll.

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4.4 Yield

DANOCOAT ROOF SYSTEM		
Coat	Product	Yield (kg/m ²)
Primer	DANOPRIMER EP/EPS	0.3-0.5
Waterproofing membrane	DANOCOAT 200/250/500	2.0-2.2
Final sealing and finishing	DANOCOAT PAS700	0.3-0.4
DANOCOAT NON-SLIP ROOF FINISHING SYSTEM		
Coat	Product	Yield (kg/m ²)
Primer	DANOPRIMER EP/EPS	0.3-0.5
Waterproofing membrane	DANOCOAT 200/250/500	2.0-2.2
Final sealing and finishing	DANOCOAT PAS700 + 5.10% of DANOCOAT Non-Slip	0.25-0.3
DANOCOAT PARKING SYSTEM		
Coat	Product	Yield (kg/m ²)
Primer	DANOPRIMER EP/EPS	0.3-0.5
Waterproofing membrane	DANOCOAT 200/250	2.0-2.2
Wear layer	DANOFLOOR PU300 + Spray until saturation 0.3-0.8mm or 0.6-1.2mm	1.0-1.2 4-6
Final sealing and finishing	DANOCOAT PAS700	0.6-0.8

* The indicated yields are approximate and will depend in each case of the environment and support's conditions

4.5 Repainting intervals

The following table indicates the minimum and maximum time intervals to repaint on the DANOCOAT, DANOFLOOR membrane, on the wear layer or seal and protection layers without having the need to reactivate the surface.

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PRODUCT	MINIMUM TIME (HOURS)			MAXIMUM TIME (HOURS)		
	Temperature			Temperature		
	10° C	20° C	30° C	10° C	20° C	30° C
DANOCOAT	2	1	1	24	18	12
DANOFLOOR PU 300 (spray)	24	12	6	*	*	*
TOP COAT	6	4	2	24	18	12

* There is no maximum time if the coat has been sprayed until saturation and the support is dry and clean from any contaminants.

If the interruption of the works is for a period longer than the maximum recommended time, clean the surface of the membrane with a solvent and apply the DANOPRIMER PU connection bridge.

5. NOTES

- The DANOCOAT systems must be applied solely by certified installers.
- Cover the surrounding elements to avoid being stained during the projection of the membrane. In the case of wind, verify if it does not carry particles that can damage other buildings, vehicles, etc.
- Once the application is finalized, the cleaning of tools is made with cleaning thinner. After drying, it can only be made through mechanical means.

6. STORAGE

Keep the containers hermetically sealed and protected from extreme temperatures (store between 15°C and 25°C) for a period no longer than 12 months at 20°C / 50% R.H. The last four digits of the lot number indicated in the tag correspond to the product's manufacturing date (month/year).

7. SAFETY AND HYGIENE INSTRUCTIONS

See the safety files of the two components.

8. LEGAL NOTES

All the information provided in this document is merely indicative, corresponding to our experience and current state of technical knowledge. It does not assume any contract agreement in respect of third parties. It is indispensable to conduct previous tests to verify the products adequacy for the intended use. Any doubt must be presented to our technical department.

You must always check if you are consulting the last edit of the technical file.