

Bodenguard AR-120 Primer



DILUTION
5-15%
with NITRO 2000



CONSUMPTION
0,150 - 0,200
Kg/m²/coat



APPLICATION TOOLS
Brush, roller,
or airless gun



MIX
100A:20B

2-component, high adhesion,
solvent based, anticorrosive epoxy primer

» **High anticorrosive efficiency**

» **Strong adhesion**

» **Ideal for non-absorbing surfaces**

DESCRIPTION

Two-component solvent-based epoxy primer, specifically designed for horizontal or vertical metal structures and non-absorbent surfaces. It is distinguished by its excellent adhesion and high anti-corrosive protection. It holds CE label according to standards **EN 1504-7 & EN 13813**.

APPLICATION FIELD

The product is used as a primer that promotes adhesion and provides anti-corrosive protection on iron or steel, as well as non-absorbent surfaces, both indoors and outdoors. It is suitable for application before epoxy or polyurethane products from the **BODENGUARD** series and ideal when enhanced protection is required, such as in coastal areas, industrial facilities, railings, silos, steel reinforcements etc.

A/j (SB) Two-pack reactive performance coatings for specific end use such as floors

- VOC Limit Value: 500 g/L
- Maximum VOC concentration of the ready to use product: 499 g/L

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TECHNICAL DATA

Binder Type	A comp: Epoxy resin
	B comp: Mixture of polyamides
Mixing ratio (A+B) w/w	100A : 20B
Density ISO 2811 @ 25 °C (A+B)	1,43 g/mL (±0,05)
Solids content w/w ISO 3251-03	77,0 % (±2)
Solids content v/v	62,3 % (±2)
Viscosity ISO2555 @ 25°C (A+B)	2020 mPas (± 100) (sp4/20rpm)
POT life	2,5 – 3,5 h @ 15°C
	2,0 – 2,5 h @ 25°C
	1,5 – 2,0 h @ 35°C
Consumption (1 coat) for non absorbing surfaces	0,150 – 0,200 kg/m ² /coat
Consumption (2 coats) for ferrous surfaces	
Dry film thickness for non absorbing surfaces (DFT)	>70 µm
Dry film thickness for ferrous surfaces	>140 µm
Drying time (Dust-free) @ 20°C	~3 h
Walkability	16 h
Recoating	16-24 h
Curing time	7 days
Pendulum Hardness ISO1522 (15 days)	115 sec(±15)
Flexibility with conical mandrel ISO6860	ø<3,5mm

IN ACCORDANCE TO EN13813 & EN1504-7

Bonding EN13892-8	≥ 4,0 N/mm ²
Wear resistance BCA EN 13892-4	40µm
Impact resistance ISO 6272-1 (500mm/1000g(±10))	Pass
Corrosion protection test, EN 15183	Pass
Shear adhesion of coated steel to concrete, EN 15184	Pass
Determination of glass transition temperature, EN 12614	110,1°C
Reaction to fire EN13501-1	E

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DIRECTIONS FOR USE

- 1. SUBSTRATE – PREPARATION** The substrate to be coated must be clean, stable, solid, and free from standing water, rust, moisture (less than 4%), dust, oils, tar, and any loose materials that could affect adhesion. Substrate preparation requires thorough sanding, brushing, or sandblasting, and effective removal of dust.
- 2. MIXING** The components A and B are packaged in containers with

a predetermined mixing ratio. Component B is added completely into the container of component A. Mix the two components for about 1-2 minutes manually or with a low-speed drill, ensuring the mixture is homogeneous. Avoid excessive mixing to prevent air entrapment.

- 3. APPLICATION** Once properly prepared, apply one coat when used as an adhesion primer, and two coats for high corrosion protection, of the **BODENGUARD AR-120 PRIMER**, after diluting 5% to 10% by weight with **KRAFT NITRO-2000**. Within 24 hours, apply the final topcoat.

IMPORTANT NOTES

- The temperature affects the working time of epoxy materials. Ideal application conditions are between +15°C and +25°C. At higher temperatures, the material sets more quickly, while mild preheating is required in winter and cool storage in summer.
- It should not be applied under humid conditions as this can negatively affect adhesion, film properties and/or the result.

- The substrate should have a temperature of at least 5°C to minimize the risk of condensation or bubbles on the final surface.
- BODENGUARD AR-120 PRIMER contains solvents, so when applying it in enclosed spaces, adequate ventilation and the use of Personal Protective Equipment (e.g., appropriate face mask, protective goggles, etc.) are required.

HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

FOR PROFESSIONAL USE ONLY

Carefully read and follow all cautions and warnings on product label. For further information refer to the Safety Data Sheet or this product.

Poison Centre Telephone:

+30 210 7793 777

STORAGE


Store the product at temperatures between 5°C and 35°C away from direct sunlight and rain, for a maximum of 24 months from the date of production. Keep containers tightly closed when not in use.


PACKAGING

Available in SET packaging of 1,2 KG and 6 KG in grey shade.

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 1301		DRUCKFARBEN HELLAS SA Megaridos Ave., Kallistiri area, GR-19300 Aspropyrgos, Greece
25 DoP No 04.44 Bodenguard AR-120 PRIMER 2K EN 1504-7 Concrete protection and repair product for use in buildings and civil work engineering		
Shear adhesion	Pass	
Corrosion protection	Pass	
Glass transition temperature	≥ 45° C	
Dangerous substances	comply with 5.3	

 1871 / 1301		DRUCKFARBEN HELLAS SA Megaridos Ave., Kallistiri area, GR-19300 Aspropyrgos, Greece
25 DoP No 04.45 Bodenguard AR-120 PRIMER 2K EN 13813:2002 Synthetic resin screed material for use internally in buildings (SR B2,0-AR0,5-IR 4)		
Reaction to Fire	Class E _n	
Release of Corrosive Substances	SR	
Water Permeability	NPD	
Wear Resistance (BCA)	AR0,5	
Bond Strength	B2,0	
Impact Resistance	IR 4	
Impact Sound Insulation	NPD	
Sound Absorption	NPD	
Thermal Resistance	NPD	
Chemical Resistance	NPD	
Release of Dangerous Substances	See SDS	

COMPANY CERTIFIED BY

- ✓ ISO 9001
- ✓ ISO 14001
- ✓ ISO 50001
- ✓ ISO 45001

04/26 THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS RELEVANT TO THIS PRODUCT

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DISCLAIMER: The above technical data, information, recommendations and guidance are based on scientific and technical knowledge, laboratory studies and long experience. However, the above information is considered to be as indicative and should be reviewed in any case in relation to each specific application conditions. Consequently, the suitability of each product in any application must be evaluated after referring to the updated Technical Data Sheet and to the website www.kraftpaints.com, as well as after contacting the technical support department, in case of necessity. Our company guarantees the quality of the product itself, whilst in any case the user/applicant is exclusively responsible for any undesirable failures after using the product.

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