



New Guard Coatings Group

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NU-KLAD™ IMP

DESCRIPTION

Two-component, solvent-free, impregnating epoxy floor primer

PRINCIPAL CHARACTERISTICS

- Primer for NU-KLAD floor coating systems
- Excellent impregnating properties (penetration and saturation of the concrete)

COLOR AND GLOSS LEVEL

- Semi-transparent, gray
- Semi-gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.2 kg/l (9.9 lb/US gal)
Volume solids	100%
VOC (Supplied)	UK PG 6/23(92) Appendix 3: max. 0.0 g/l (approx. 0.0 lb/US gal)
Recommended dry film thickness	See note
Overcoating Interval	Minimum: 16 hours Maximum: 7 days
Dry to walk on	16 hours
Full cure after	7 days
Shelf life	Base: at least 12 months when stored cool and dry Hardener: at least 12 months when stored cool and dry

Notes:

- The dry film thickness and spreading rate are depending on the absorption capability coming from the roughness and porosity of the concrete
- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Concrete

- Dried for at least 28 days in good ventilation conditions
- Moisture content should not exceed 4.5%
- Concrete must be sound, dry, free from laitance and any contamination
- Rough surface; eventually abraded by power tool or diamond abrading tool



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Substrate temperature

- Ambient temperature during application and curing should be between 10°C (50°F) and 30°C (86°F)
 - Relative humidity during application and curing should not exceed 85%
 - Substrate temperature during application and curing should be between 10°C (50°F) and 30°C (86°F)
 - Substrate temperature during application should be at least 5°C (7°F) above dew point
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SYSTEM SPECIFICATION

- Use one layer up to saturation of the concrete. A second layer is recommended in case the aspect of the first layer is not homogeneous with matt/bright effect caused by difference of absorption in the concrete.
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INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 69.6:30.4 (mixing ratio by weight: base to hardener 74:26)

- Material temperature should be between 10°C (50°F) and 30°C (86°F)
 - Mix base and hardener with a mechanical mixer thoroughly for 3 minutes until homogeneous
 - Pour the mixture into another can and mix for 1 minute
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Induction time

None

Pot life

40 minutes at 20°C (68°F)

Note: See ADDITIONAL DATA – Pot life

Trowel

- Plastering trowel for rough, strong absorbing substrates

Recommended thinner

No thinner should be added

Brush/roller

- For smooth, normal absorbing substrates

Recommended thinner

No thinner should be added

Cleaning solvent

THINNER 90-53



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ADDITIONAL DATA

Overcoating interval for DFT up to 50 µm (2.0 mils)				
Overcoating with...	Interval	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself, NU-KLAD COATING, NU-KLAD SL or NU-KLAD HD	Minimum	30 hours	16 hours	8 hours
	Maximum	7 days	7 days	4 days

Notes:

- Surface should be dry and free from any contamination
- For intervals exceeding the maximum overcoating interval, the surface has to be roughened sufficiently before overcoating
- Abrading is recommended in case of insufficient roughness after curing

Curing time for DFT up to 50 µm (2.0 mils)			
Substrate temperature	Dry to walk on	Light impact/abrasion	Full cure
10°C (50°F)	30 hours	34 hours	14 days
20°C (68°F)	16 hours	18 hours	7 days
30°C (86°F)	8 hours	10 hours	4 days

Note: Adequate ventilation must be maintained during application and curing

Pot life (at application viscosity)	
Mixed product temperature	Pot life
10°C (50°F)	1 hour
20°C (68°F)	40 minutes
30°C (86°F)	20 minutes

SAFETY PRECAUTIONS

- Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with Product Data/Application Instruction and Material Safety Data Sheet must be observed during all storage, handling, use and drying periods

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.



NU-KLAD™ IMP

REFERENCES

- | | | |
|--------------------------------------|-------------------|------|
| • CONVERSION TABLES | INFORMATION SHEET | 1410 |
| • EXPLANATION TO PRODUCT DATA SHEETS | INFORMATION SHEET | 1411 |

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