

MONNELI ARMATUREA SL

Aromatic Self-Leveling Polyurea Flooring

Description

ARMATUREA SL is a self-levelling aromatic MDI based polyurethane designed as a flexible elastomeric waterproofing membrane. It produces an abrasion-resistant and smooth finish when cured.

ARMATUREA SL can display rapid turn-a-around times (depending on catalyst levels), virtually odorless and performs well in high and low humidity environments.

Advantages

- Eco-friendly. Zero VOC
- Excellent Elongation
- Highly Flexible
- Abrasion Resistance
- Excellent thermal stability
- Little moisture sensitivity
- Smooth Finish
- Virtually odorless
- Low Permeability Rate
- Adjustable reactivity and cure time (no catalysts)
- USDA/FDA approved

Uses

ARMATUREA SL can be used as a protective, elastomeric membrane coating for the following:

- Industrial Facilities
- Cold Storage Facilities
- Food Processing Facilities
- Ship / Boat Decks
- Swimming Pool Decks

Instructions of Use

Surface Preparation

The surface of the substrate shall be sound, clean and uncontaminated.

This preparation shall be such as to leave a sound expose surface free from dust, loose particles and any deleterious matter. If the surface is defective or has laitance, it must be cut back to a sound base.

New concrete or cementitious surfaces should be at least 28 days old and have moisture content not exceeding 5%. Old or existing surface should be refurbished mechanically to ensure clear and sound substrate.

Application

ARMATUREA SL must be applied using an approved equipment. For application guidelines based on your required system and substrate, please contact Colmef.

Cleaning

Clean equipment immediately after use. Cured product may be disposed of without restriction. The un-cured isocyanate and resin portions should be disposed of in accordance with local government regulations.

Recommendations

- ARMATUREA SL is not colourfast and should be top-coated with an aliphatic topcoat available from Colmef for a colour stable system.
- Various aggregates can be utilized to add non-slip characteristics, contact Colmef for recommended non-slip additives

The information in this Technical Data Sheet is based on Colmef Monneli's experience. Colmef Monneli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monneli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

DUBAI
ABU DHABI
KSA
QATAR
ITALY

P.O. Box 123808 - Dubai, UAE Tel. +971 4 8803488, Fax +971 4 8803450
P.O. Box 127326 - Abu Dhabi, UAE Tel. +971 2 5511949, Fax +971 2 5511749
P.O. Box 335896 - Code: 11383 - Riyadh, KSA Tel. +966 1 2654277, Fax +966 1 2654335
P.O. Box 24878 - Doha, Qatar Tel. +974 4006 5791, Fax +974 4006 5899
Z.I. Ponte d'Assi - 06024 Gubbio (PG) Tel. +39 75 9221297, Fax +39 75 9221174
colmef@colmef.ae | www.colmef-me.com



Technical Properties

Property	Result
Color	Medium Gray or Black
Solid Content	100%
VOC	1.2g/L
Gel time (25°C) (No Catalyst)	30-60 Minutes*
Volume Ratio (A:B)	1 : 3
Open to Foot Traffic (No Catalyst)	6 Hours*
Open to Top Coat	24 Hours Post TF*
Tensile Strength (ASTM D412)	17.9 N/mm ²
Elongation (ASTM D412)	300
Tear Strength (ASTM D624)	61.3 N/mm
Shore A Hardness (ASTM D2240)	85
Flexibility 1/8" Mandrel (ASTM D1737)	PASS
Flash Point, °F (Pensky - Martin)	>200
Taber Abrasion, Loss CS 17 Wheel 1kg, 1000 Rev (ASTM D4060)	9.6mg
Application Temperature	

Processing Properties (750µ @ 25°C, 54%RH)

*Reactivity can be adjusted with catalysts

Applicable Standards

- ASTM D412
- ASTM D624
- ASTM D4060
- ASTM D2240
- ASTM D1737

Packaging

16 Liter Kit: 4 Liters of Part A and 12 Liters of Part B

Colour

Standard colours are medium grey or black. Other colours available upon request.

Storage

ARMATUREA SL should be stored in original, unopened factory containers, under normal storage conditions of 15° C to 35° C. In these conditions, product shelf life is 12 months from the date of production.

Health and Safety

All body parts should be covered and activated charcoal respirators or forced-air breathing apparatus are necessary for safe application of this product. Keep uncured product away from children at all times. All personnel should read and understand the safety recommendations stated in the Material Safety Data Sheet .

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