



Material SAFETY DATA SHEET

(Gripdeck EW System)

Primecoat PU – Base

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Primecoat PU - Base**

Description: Base component of two part primer for Gripdeck system

Manufacturer: **Ayla Lebanon**
Port, Jamarek Street (Face Port Pharmacy), Rbeiz Bldg
Beirut, Lebanon
Tel.: +961 1 444 562 Fax: +961 1 444 563
www.dcp-int.com

Date Prepared: 07.05.14

MSDS Number: DCP/05/05/24

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Resin, nonreactive additives.

3: HAZARDS IDENTIFICATION

No significant hazard.

4: FIRST AID MEASURES

Eyes: Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. Seek medical attention.

Skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

Inhalation: Move to fresh air. Obtain medical attention if needed.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

5: FIRE FIGHTING MEASURES

Flash Point: Not applicable.

Special Exposure Hazards: Carbon and nitrogen oxides, various hydrocarbons.

Extinguishing Media: Carbon dioxide, powder, foam or water fog - Do not use water jets.

Personal Protective Equipment: Wear protective clothing and use self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Put on adequate protective equipment.
Environmental Precautions:	Keep away from drains, surface-water, ground-water and soil.
Decontamination Procedures:	Collect as much as possible in a container for disposal. Soak up the remainder with inert absorbent. Disposal according to local regulations.

7: HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Do not use near sources of ignition. Avoid breathing fumes. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep container tightly closed in a cool dry area away from sources of heat and out of direct sunlight to avoid pressure build up. Store in well-ventilated, cool, dry area. Purge with nitrogen and close container when not in use.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingestion:	Prevent eating, drinking or smoking in the area of product use.
Eye Contact:	Safety glasses or chemical goggles.
Skin Contact:	Impervious gloves (e.g. PVC).
Respiratory Protection:	In case of insufficient ventilation, wear suitable equipment.
Engineering Controls:	Use only in well ventilated areas. Local exhaust ventilation is recommended.

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Colour:	Yellowish
Odour:	Weak
Flash Point (closed cup) (°C):	Not applicable
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	1.20 – 1.30
Water Solubility:	Insoluble

10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Excessive heating. Direct sunshine should be avoided. Air exposure.
Chemical Incompatibility:	Strong acids and oxidizers, isocyanates, phosphorous compounds.
Hazardous Decomposition Products:	Formation of toxic gases is possible during heating or in case of fire.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 5000 mg/kg

Health Effects

On Eyes:	Irritant.
On Skin:	Irritant.
By Inhalation:	Irritant.
By Ingestion:	Irritant.
Chronic:	Not applicable.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed off as intended, no adverse environmental effects are foreseen.
Mobility:	Not applicable.
Degradability:	Not biodegradable.
Bioaccumulation:	Not applicable.
Acute Fish Toxicity:	Toxic to aquatic organisms.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product:	Dispose off through an authorized waste contractor to a licensed site.
Used/ Contaminated Product:	As for unused product.
Packaging:	May be steam cleaned and recycled.

14: TRANSPORT INFORMATION

This product is **not** classified as dangerous for transport.

15: REGULATORY INFORMATION

This product is **not** classified as dangerous for supply.



16: OTHER INFORMATION

Issue Date: 07/05/2014

Revised Date:

Disclaimer: The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.



Material SAFETY DATA SHEET

Primecoat PU - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Primecoat PU - Hardener**

Description: Hardener component of two part primer for Gripdeck system

Manufacturer: **Ayla Construction Chemicals**
P.O. Box 1117, Amman 11118 Jordan
Tel. + 962 6 5338891 Fax: + 962 6 5338829
www.dcp-int.com

Date Prepared: 07.05.14

MSDS Number: DCP/05/05/24

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy curing agent.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
4,4'-diphenylmethane-diisocyanate, isomers	Xn	R20, 36/37/38, 42/43	9016-87-9	40 - 80

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Harmful by inhalation.
Irritating to eyes, respiratory system and skin.
May cause sensitization by inhalation and skin contact.

Classification: Xn. R20, 36/37, 42/43.

4: FIRST AID MEASURES

Eyes: Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. Seek medical attention.

Skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

Inhalation: Move to fresh air. Obtain medical attention if needed.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

5: FIRE FIGHTING MEASURES

Flash Point:	Not applicable.
Special Exposure Hazards:	Carbon monoxide, nitrogen oxides, isocyanate vapour and traces of hydrogen cyanide may be released. Do not allow contaminated extinguishing water to enter the soil, ground water or surface water.
Extinguishing Media:	Carbon dioxide, powder, foam or water fog - Do not use water jets.
Personal Protective Equipment:	Wear protective clothing and use self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Put on adequate protective equipment.
Environmental Precautions:	Keep away from drains, surface-water, ground-water and soil.
Decontamination Procedures:	Collect as much as possible in a container for disposal. Soak up the remainder with inert absorbent. Disposal according to local regulations.

7: HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Do not use near sources of ignition. Avoid breathing fumes. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep container tightly closed in a cool dry area away from sources of heat and out of direct sunlight to avoid pressure build up. Store in well-ventilated, cool, dry area. Purge with nitrogen and close container when not in use.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingestion:	Prevent eating, drinking or smoking in the area of product use.
Eye Contact:	Safety glasses or chemical goggles.
Skin Contact:	Impervious gloves (e.g. PVC).
Respiratory Protection:	In case of insufficient ventilation, wear suitable equipment.
Engineering Controls:	Use only in well ventilated areas. Local exhaust ventilation is recommended.
Exposure Guidelines:	

Component	TWA 8 hr	STEL 15 min
Isocyanates	0.02 mg/m ³ (MEL)	0.07 mg/m ³ (MEL)

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Colour:	Dark brown
Odour:	Musty
Flash Point (closed cup) (°C):	Not applicable
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	1.05 – 1.15
Water Solubility:	Reacts with water

10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Excessive heating. Humidity. Air exposure.
Chemical Incompatibility:	Amines, alcohols and water.
Hazardous Decomposition Products:	Formation of toxic gases is possible during heating or in case of fire.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 5000 mg/kg.

Health Effects

On Eyes:	Irritant.
On Skin:	Irritant.
By Inhalation:	Irritant.
By Ingestion:	Irritant.
Chronic:	Not applicable.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed off as intended, no adverse environmental effects are foreseen.
Mobility:	Insoluble in water, but will react with water forming a solid insoluble product.
Degradability:	Not applicable.
Bioaccumulation:	Not applicable.
Acute Fish Toxicity:	Toxic to aquatic organisms.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose off through an authorized waste contractor to a licensed site.

Used/ Contaminated Product: As for unused product.

Packaging: May be steam cleaned and recycled.

14: TRANSPORT INFORMATION

This product is **not** classified as dangerous for transport.

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

Contains: 4,4'-diphenylmethane-diisocyanate, isomers

Risk Phrases:

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitization by inhalation and skin contact.

Safety Phrases:

S23	Do not breathe vapour/spray.
S36/37	Wear suitable protective clothing and gloves.
S45	In case of accident or if you feel unwell seek medical advice immediately.

16: OTHER INFORMATION

Issue Date: 07/05/2014 Revised Date:

Disclaimer: The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.



Material SAFETY DATA SHEET

Flexcoat - Base

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Flexcoat - Base**

Description: Base component of two part elastomeric crack-bridging membrane for Gripdeck system

Manufacturer: **Ayla Construction Chemicals**
P.O. Box 1117, Amman 11118 Jordan
Tel. + 962 6 5338891 Fax: + 962 6 5338829
www.dcp-int.com

Date Prepared: 07.05.14

MSDS Number: DCP/05/05/24

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy resin, non-reactive additives, fillers and pigments.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Polyether polyol	-	-	9082-00-2	20 – 30
6-methyl-2,4-Bis(methylthio) phenylene-1,3-diamine	Xn, N	R22, 43, 50/53	106264-79-3	5 – 10

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Harmful if swallowed.
May cause sensitization by skin contact.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Classification: Xn, N. R22, 43, 50/53.

4: FIRST AID MEASURES

Eyes:	Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. Seek medical attention.
Skin:	Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.
Inhalation:	Move to fresh air. Obtain medical attention if needed.
Ingestion:	Rinse mouth thoroughly. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

5: FIRE FIGHTING MEASURES

Flash Point:	150 °C.
Special Exposure Hazards:	Carbon monoxide, carbon dioxide.
Extinguishing Media:	Dry chemical, carbon dioxide, alcohol foam, water fog or spray. Water or foam may cause frothing if liquid is burning, but it still may be a useful extinguishing agent if carefully applied to the fire.
Personal Protective Equipment:	Wear protective clothing and use self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Put on adequate protective equipment.
Environmental Precautions:	Keep away from drains, surface-water, ground-water and soil.
Decontamination Procedures:	Collect as much as possible in a container for disposal. Soak up the remainder with inert absorbent. Disposal according to local regulations.

7: HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Do not use near sources of ignition. Avoid breathing fumes. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep container tightly closed in a cool dry area away from sources of heat and out of direct sunlight to avoid pressure build up. Store in well-ventilated, cool, dry area. Purge with nitrogen and close container when not in use.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingestion:	Prevent eating, drinking or smoking in the area of product use.
Eye Contact:	Safety glasses or chemical goggles.
Skin Contact:	Impervious gloves (e.g. PVC).
Respiratory Protection:	In case of insufficient ventilation, wear suitable equipment.
Engineering Controls:	Use only in well ventilated areas. Local exhaust ventilation is recommended.

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Colour:	Dark brown
Odour:	Musty
Flash Point (closed cup) (°C):	150
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	1.25 – 1.30
Water Solubility:	Partially soluble

10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Moisture, temperature extremes.
Chemical incompatibility:	strong oxidizing agents, water.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, oxides or nitrogen, oxides of Sulfur.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 5000 mg/kg.

Health Effects

On Eyes:	Irritant.
On Skin:	Irritant.
By Inhalation:	Irritant.
By Ingestion:	Irritant.
Chronic:	Not applicable.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed off as intended, no adverse environmental effects are foreseen.
Mobility:	Not applicable.
Degradability:	Not applicable.
Bioaccumulation:	Not applicable.
Acute Fish Toxicity:	Not applicable.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product:	Dispose off through an authorized waste contractor to a licensed site.
Used/ Contaminated Product:	As for unused product.
Packaging:	May be steam cleaned and recycled.

14: TRANSPORT INFORMATION



UN/SI Number:	3082
Transport Name:	Environmentally hazardous substance, liquid, n.o.s.

Transport Type:		Class:	Pack Group:	Item:	Marine Pollutant:
At Sea	IMO/IMDG	9	III		No
Air Transport	IATA/ICAO	9	III		
At land	RID/ADR	9	III		

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

N



Dangerous for
the environment

Contains:

6-Methyl-2,4-Bis(Methylthio)Phenylene-1,3-Diamine

Risk Phrases:

R22

Harmful if swallowed.

R43

May cause sensitization by skin contact.

R50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S24

Avoid contact with skin.

S37

Wear suitable gloves

S61

Avoid release to the environment. Refer to special instructions/safety data sheet

16: OTHER INFORMATION

Issue Date:

07/05/2014

Revised Date:

Disclaimer:

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Material SAFETY DATA SHEET

Flexcoat - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Flexcoat - Hardener**

Description: Hardener component of two part elastomeric crack-bridging membrane for Gripdeck system

Manufacturer: **Ayla Construction Chemicals**
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Tel. + 962 6 5338891 Fax: + 962 6 5338829
www.dcp-int.com

Date Prepared: 07.05.14

MSDS Number: DCP/05/05/24

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy curing agent.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Toluene 2,4-diisocyanate	Xn	R20, 42	584-84-9	< 0.5

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Harmful by inhalation.
May cause sensitization by inhalation

Classification: Xn. R20, 42.

4: FIRST AID MEASURES

Eyes: Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. Seek medical attention.

Skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

Inhalation: Move to fresh air. Obtain medical attention if needed.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

5: FIRE FIGHTING MEASURES

Flash Point:	190 °C.
Special Exposure Hazards:	Carbon monoxide, nitrogen oxides, isocyanate vapour and traces of hydrogen cyanide may be released. Do not allow contaminated extinguishing water to enter the soil, ground water or surface water.
Extinguishing Media:	Carbon dioxide, powder, foam or water fog - Do not use water jets.
Personal Protective Equipment:	Wear protective clothing and use self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Put on adequate protective equipment.
Environmental Precautions:	Keep away from drains, surface-water, ground-water and soil.
Decontamination Procedures:	Collect as much as possible in a container for disposal. Soak up the remainder with inert absorbent. Disposal according to local regulations.

7: HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Do not use near sources of ignition. Avoid breathing fumes. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep container tightly closed in a cool dry area away from sources of heat and out of direct sunlight to avoid pressure build up. Store in well-ventilated, cool, dry area. Purge with nitrogen and close container when not in use.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingestion:	Prevent eating, drinking or smoking in the area of product use.
Eye Contact:	Safety glasses or chemical goggles.
Skin Contact:	Impervious gloves (e.g. PVC).
Respiratory Protection:	In case of insufficient ventilation, wear suitable equipment.
Engineering Controls:	Use only in well ventilated areas. Local exhaust ventilation is recommended.

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Yellowish
Odour:	Weak
Flash Point (closed cup) (°C):	190
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	0.95 – 1.05
Water Solubility:	Reacts with water

10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Excessive heating. Humidity. Air exposure.
Chemical Incompatibility:	Amines, alcohols and water.
Hazardous Decomposition Products:	Formation of toxic gases is possible during heating or in case of fire.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 5000 mg/kg.

Health Effects

On Eyes:	Irritant.
On Skin:	Irritant.
By Inhalation:	Irritant.
By Ingestion:	Irritant.
Chronic:	Not applicable.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed off as intended, no adverse environmental effects are foreseen.
Mobility:	Insoluble in water, but will react with water forming a solid insoluble product.
Degradability:	Not applicable.
Bioaccumulation:	Not applicable.
Acute Fish Toxicity:	Toxic to aquatic organisms.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose off through an authorized waste contractor to a licensed site.

Used/ Contaminated Product: As for unused product.

Packaging: May be steam cleaned and recycled.

14: TRANSPORT INFORMATION

This product is **not** classified as dangerous for transport.

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

Contains: Toluene 2,4-diisocyanate.

Risk Phrases:

R20	Harmful by inhalation
R42	May cause sensitization by inhalation.

Safety Phrases:

S23	Do not breathe vapour/spray
S36/37	Wear suitable protective clothing and gloves

16: OTHER INFORMATION

Issue Date: 07/05/2014 Revised Date:

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