

LIFE CYCLE ASSESSMENT

PRODUCT

LVL Wood Packaging

LIFE CYCLE STAGES



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Life Cycle Stages	Environmental Impact	Control
1 Material Supply & Storage	Potential Soil & Water Pollution: <ul style="list-style-type: none"> Spillage or leakage while receiving and storage of chemicals such as: <ul style="list-style-type: none"> Green Paint 	<ul style="list-style-type: none"> MP-SOP-OCP-003 (Hazardous Chemical Storage & Handling) MP-SOP-EMS-006-05 (Chemical Spillage Guideline)
	Depletion of Natural Resources: <ul style="list-style-type: none"> Supply of LVL Plank 	<ul style="list-style-type: none"> Purchase exact size wooden plank to eliminate off cut
	Depletion of Natural Resources: <ul style="list-style-type: none"> Supply of wood 	<ul style="list-style-type: none"> Usage of wood from Forest Plantation (Sustainable Wood Supply)
	Depletion of Natural Resources: <ul style="list-style-type: none"> Material deterioration 	<ul style="list-style-type: none"> Pest control First In First Out Not expose to direct moisture
2 Operation	Potential Noise Pollution: <ul style="list-style-type: none"> Production activities produce noise pollution that interrupt the community staying nearby 	<ul style="list-style-type: none"> Boundary Noise Monitoring
	Potential Air Pollution: <ul style="list-style-type: none"> Emission of wood dust to atmosphere that interrupt the community staying nearby 	<ul style="list-style-type: none"> Suction Blower with Filter Bags and Cyclon to collect the wood dust
	Potential Soil & Water Pollution: <ul style="list-style-type: none"> Spillage or leakage while handling and use of green paint 	<ul style="list-style-type: none"> Scheduled Waste Control MP-SOP-OCP-003 (Hazardous Chemical Storage & Handling) MP-SOP-EMS-006-05 (Chemical Spillage)

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		Guideline)
	Depletion of Natural Resources: <ul style="list-style-type: none"> • Production wastage 	<ul style="list-style-type: none"> • Sale for recycle
3 Storage	Depletion of Natural Resources: <ul style="list-style-type: none"> • Finished product deterioration 	<ul style="list-style-type: none"> • Pest control • First In First Out • Not expose direct water
4 Dispatch	Potential Noise Pollution: <ul style="list-style-type: none"> • Noise generated from vehicle that interrupt the community staying nearby 	<ul style="list-style-type: none"> • Boundary Noise Monitoring
	Potential Air Pollution: <ul style="list-style-type: none"> • Release of smoke from vehicle that interrupt the peaceful environment of the community staying nearby 	<ul style="list-style-type: none"> • Puspakom Check / Approval
5 Recycle	Depletion of Natural Resources: <ul style="list-style-type: none"> • Product to be recycled <ul style="list-style-type: none"> ○ Saw dust ○ Rejected wooden planks 	<ul style="list-style-type: none"> • Legislation requirements