

# ALIMATS®

## Aluminium Crane Outrigger Mats



## Risk Assessment / Site Placement Guidelines

- Operatives to ensure correct PPE is used (gloves, safety boots, high-visibility clothing and hard hat, plus additional PPE subject to site conditions e.g. ear protection etc)
- Refer to site specific crane lift plan and relevant drawing for correct layout and geometry for the ALIMATS® build up, as specified by the Temporary Works Design
- Ensure the prepared hardstanding area is level
- The crane should drive into the correct position as marked on the Lift Plan and extend outriggers
- If the ground is not completely level a sand bed is advised, to provide a more even load distribution
- ALIMATS® should be lifted into position by two people to avoid strains - each clean mat module weighs approximately: 26kg (1160mm) / 38kg (1740mm) / 48kg (2175mm)
- Each section should be slotted into the adjacent mat as it is laid and pushed into position
- To ensure mats interlock correctly the orientation of the ALIMATS® logo and ID marks needs to be consistent for each mat which is to be placed side by side in the same layer (see photos below)



- Ensure there are no stones between the mat layers, to avoid potential point load indentation / damage
- The standard crane mat should be placed centrally on the completed ALIMATS® configuration
- Repeat to all four outrigger positions
- Ensure that all completed ALIMATS® sets are positioned central to the outrigger pad
- Apply full outrigger loading and observe mats for any sign of undue stress / settlement

For advice on your site requirements, call Brilliant Ideas on 01335 345111

# Risk Assessment Form

## 1. General Data

Assessor Team: I.Waring / C.Massey / A.Norris

Assessment Date: 02/01/2020

Task Title & Description of Activity: Provision of ALIMATS® Crane Outrigger Support 960

## 2. Assessment

	Task Step	Significant Hazard(s)	Adverse effect / possible injury	Number of people at risk	Frequency	Duration
1	Accessing Site	a) Site debris b) ALIMATS® underfoot c) Mobile / plant vehicle movement	<b>SLIP TRIP</b> Cuts, bruises, sprains <b>CRUSH COLLISION</b> Death Broken bones	2	Once for each crane rig location	20 minutes
2	Unloading & loading of equipment from vehicle	a) Weight of equipment and distance it has to be carried b) Site debris c) Finger entrapment	<b>MANUAL HANDLING</b> Strains, back strain <b>SLIP TRIP</b> Cuts, bruises, sprains <b>ENTRAPMENT</b> Broken bones	2	Once for each crane rig location	20 minutes
3	Placement of ALIMATS® beneath crane outriggers	a) Weight of equipment and distance it has to be carried b) Site debris c) Finger entrapment d) Incorrect placement / setup of ALIMATS® jeopardising crane instability	<b>MANUAL HANDLING</b> Strains, back strain <b>SLIP TRIP</b> Cuts, bruises, sprains <b>ENTRAPMENT</b> Broken bones <b>CONTACT COLLISION</b> Death Crushing Broken bones	2 All site personnel	Once for each crane rig location Once for each crane rig location	20 minutes Daily
4	Subsequent movement of ALIMATS®	a) Weight of equipment and distance it has to be carried b) Site debris c) Finger entrapment d) Incorrect placement / setup of ALIMATS® jeopardising crane instability	<b>MANUAL HANDLING</b> Strains, back strain <b>SLIP TRIP</b> Cuts, bruises, sprains <b>ENTRAPMENT</b> Broken bones <b>CONTACT COLLISION</b> Death Crushing Broken bones	2 All site personnel	Once for each crane rig location Once for each crane rig location	20 minutes Daily
5	Use of ALIMATS® for uses other than crane outrigger support	a) Failure of ALIMATS® in alternative use	<b>CONTACT COLLISION</b> Death Crushing Broken bones	All site personnel	Once	Daily
6	Preparation of ground beneath ALIMATS®	a) Inadequate preparation / consideration jeopardising crane instability	<b>CONTACT COLLISION</b> Death Crushing Broken bones	All site personnel	Once	Daily

Using the formula on the next page, every hazard identified must be risk rated

# Risk Assessment Form

**Calculate using this formula:** Probability x Severity = Risk

This gives a range of risk rating between 1 and 100 probability

Probability Index	Severity Index
The probability or likelihood that an accident or incident could be caused as a result of a particular activity	The severity of the outcome of that accident in terms of injury, damage or loss
Description	
10 Inevitable	10 Death
9 Almost certain	9 Permanent total incapacity
8 Very likely	8 Permanent severe incapacity
7 Probable	7 Permanent slight incapacity
6 More than even chance	6 Absent from work for more than 3 weeks with recurring problems
5 Even chance	5 Absent from work for more than 3 weeks with complete recovery
4 Less than even chance	4 Absent from work for more than 3 days, less than 3 weeks
3 Improbable	3 Absent from work less than 3 days
2 Very improbable	2 Minor injury with no lost time
1 Almost impossible	1 No injury expected

**Probability (P) x Severity (S) = The Total Risk Rating**

Total Risk Rating	Priority of Action	Total Risk Rating	Priority of Action
Below 10	No immediate action necessary, but keep under review	10 - 30	Action within 12 months
30 - 40	Action within 9 months	40 - 60	Action within 6 months
60 - 70	Action within next 3 months	70 - 80	Action within next month
80 - 100	<b>Immediate action / possible prohibition of use action within next month</b>		

**Risk of hazards identified on P.1**

Hazard Number	Hazards	(P)	(S)	Total R Rating
1a, 1b, 2b, 3b, 4b	Site debris / ALIMATS® underfoot	3	6	18
1c	Mobile plant / vehicle movement	2	10	20
2a, 3a, 4a	Weight of equipment and the distance it has to be carried	3	6	18
2c, 3c, 4c	Finger entrapment	3	7	21
3d, 4d	Incorrect placement / setup of ALIMATS® jeopardising crane instability	3	10	30
5a	Failure of ALIMATS® in alternative use	2	10	20
6a	Inadequate preparation / consideration of hardstanding area beneath ALIMATS® jeopardising crane stability	3	10	30