

CBRM – Pro ROAD & Pro AERO matting

Assembly / ground preparation / site survey

Read this prior to the installation of the matting

DISCLAIMER

Prior to using the panels, the sub surface should be levelled as smooth as possible and compacted, to a CBR that conforms to subgrade roads prior to using the matting. It is advisable for clients to take videos, pictures of this process to provide evidence that ground preparation has been completed, prior to use.

Failing to do this, and transversing across the traction lines, could result in a wave affect due to poor ground preparation. In the case of poor or no ground preparation **do not install the matting in this manner**. Instead in-line with the traction lines, in the staggered method (brick formation). Video's are available on request.

(The mats have been developed to be used over sensitive terrain)

The speed rating tests to be determined prior to usage as this will affect the behaviour of the matting. It is advisable for the relevant parties to conduct a due diligence test prior to usage and have the appropriate CBR results on hand.

Any speed not exceeding 2km per hour suitable for slow ground access across the traction lines.

Any speeds exceeding 2km per hour suitable for moderate ground access in-line with the traction line.

The matting has been tested in a lab/controlled environment, so load-tests are based on a solid surface applying downwards pressure, thus the CBR requirements. The calculation & results are based on pressure per m². It is suggested that engineers calculate the tyre surface that comes in contact with the matting, to do an accurate load test, generally the tyre surface that comes in contact with the matting is seldom 1m x 1m. For this reason the test results are sent prior to quoting so that the local engineers can calculate the suitability of the panels for the project and ground conditions. We cannot accept liability for incorrect calculation & in-proper ground preparation by the responsible parties. It is advisable to keep these calculations on file, the engineer that signed off on these calculations and the calculations themselves as part of the due diligence.

Site Assessments for Success.

Before installation, conduct a thorough **site survey** to assess the ground conditions. Understanding the terrain allows you to choose the appropriate type of mats and ground preparation and to apply an efficient layout.

Although plastic mats can be used over various terrains, it is imperative that client does a detailed due diligence and not omit on ground preparation,

placing plastic mats on level and stable surfaces is essential. Uneven ground can compromise the effectiveness of the mats and lead to shifting or buckling (wave effect) under the weight of vehicles or equipment.

What is a site survey?

A site survey is a detailed assessment of the ground and site conditions of your project location. It is used to gain important information about conditions, requirements and any constraints there may be. They are generally conducted to help make informed decisions on the selection and installation of ground protection mats.

So, why do we carry out site surveys?

To understand site conditions

Site surveys allow us to gather specific information on the ground conditions on site. By evaluating the type of ground, we can determine the stability and how this may affect the performance of each type of ground protection mat.

It is a way to help us decide which matting solution is best for your project. Looking at the site conditions also helps us to identify any hazards that might impact our best choice matting.

To determine load requirements

By surveying the site prior to beginning the project we can identify the types of vehicles driven and the weight of any equipment placed on the matting. In situations where foot traffic will be moving across the matting, this must be considered at the survey stage. This information is crucial for selecting ground protection mats with the appropriate load-bearing capacity for the intended use.

To assess the environmental impact

Surveying the project location allows us to properly evaluate the environmental impact of using ground protection mats. We need to understand the sensitivity of the area to help us choose the best mat. This includes taking note of any protected species or ecosystems, water bodies and wildlife habitats. We do this to ensure no damage or harm is caused by the use of the ground protection matting. It is important that risks to the environment are assessed, and environmentally friendly solutions are put in place to mitigate them.

To find access points and routes

When preparing for matting installation it is super important to ensure that access points are determined. The best routes in terms of logistics and practicality can be determined at the survey stage.

To look at customisation

Surveys are a great place to start when estimating the quantity of ground protection mats required for a project. It is super important that we estimate the number of mats needed before carrying out any work. We want to ensure the best budget planning for your project, making sure our services is as cost effective as possible.

For safety and compliance

Ensuring that ground protection mats meet industry standards and regulatory guidelines is critical for a safe working environment. Slip & trip resistance should be considered, especially in boggy or slippery conditions.

To look at the ease of installation and removal

Surveys are the way to capture information about the ease of installation and removal of ground protection mats. This is an essential consideration when efficiency and logistics are important.

The purpose of the site survey overall is to ensure that we have all the information we need in terms of the site, the job, the project length and the ground conditions, as well as being certain we know the intended use. All this information allows us to assist you in making the best decision for your project.

Delivery confirmation

Thank you for choosing CBRM ground protection matting.

Please provide us with the following documents for our records

Date received: _____

Dispatch number: CBRM-2024 - _____

Invoice number: _____

Final CBRM Quality control inspection sheet number:
CBRM – QC -2024 - _____

CBRM - Authorised quality controller / Full name & Surname:

Components Inspected by: _____

Qualification: _____

Title: _____

For warrantee purposes

Please provide us with the following documents for our records

Site survey: Completed by:

Date completed:

Please advise project team members Name & Surname with qualifications

Ground preparation / CBR achieved: Completed by:

Date completed:

Please advise project team members Name & Surname with qualifications

Due diligence: Completed by:

Date completed:

Please advise project team members Name & Surname with qualifications

Visual documents: Photos/videos while doing ground prep

Date completed:

Please advise project team members Name & Surname with qualifications

Thanking you in advance

CBRM