

TECHNICAL DATA SHEET

Rubber mulch: Single layer system

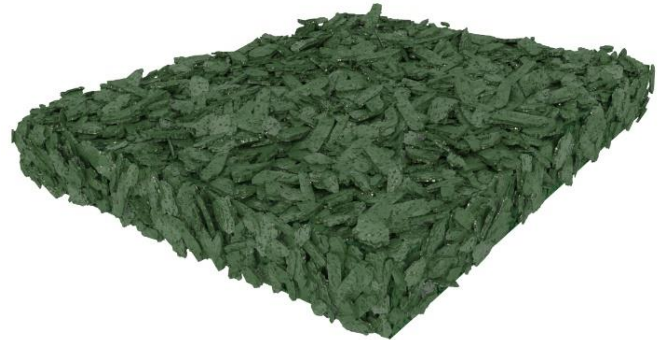


Product description

CONICA LTD supplies colour coated and plain black rubber mulch and polyurethane binders for the installation of impact absorbing playground surfaces and for the creation of other decorative landscaping features.

Fields of application

Used as a loose fill material or as a tested bonded system for many applications. Often used as an alternative to traditional bark.



Common uses:

- Playground safety surfacing
- Tree pits
- Decorative landscaping
- Safety walkways
- Equestrian and dressage

Benefits:

- Simple to install
- Cost effective
- Low maintenance
- Excellent water permeability
- EN1177-2018 HIC certified

Technical Data

Specification	Thickness (mm)	CFH (m)	Mulch per m ² (10kg bags)	Binder per m ² (kgs)
	40	1.08	17.6	3.5
	50	1.46	22	4.4
	60	1.61	26.4	5.3
	70	1.84	30.8	6.2
	80	2.02	35.2	7.0
	100	2.41	44	8.8
	120	>3	52.8	10.6
	Tested to the strict requirements of EN1177-2018 for Critical Fall Height			
Test Certificates	Test certificates can be requested from Customer Services. Test certificates are only applicable where ALL the constituent components have been purchased directly from CONICA and the surfacing has been mixed and installed according to CONICA instructions. Please contact Customer Services for more information.			
Stability and ecology	Please refer to our technical bulletin on the use of recycled black rubbers.			
Above figures are guide values and should not be used as a basis for specifications				

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Application Methods

Loose fill

For loose fill applications attention should be given to a raised edge detail to retain the materials within the specified area. Sufficient thickness should always be applied to allow for displacement of the material during use and regular maintenance procedures should be in place to re-level the displaced materials to ensure sufficient coverage depths are always maintained. Quantities for loose fill mulch can be calculated at 450 kgs/m³.

Bound system

The materials must be bound with an approved CONICA polyurethane binder in accordance with manufacturer's instructions.

The tested and recommended binder for this product is CONIPUR 4051. However, it is also possible to use other CONIPUR binders.

The rubber mulch should be mixed with the binder at a ratio of a minimum 2kg per 10kg bag of rubber mulch.

The materials must be accurately measured and thoroughly mixed in a force action pan mixer for a minimum of 3 minutes before application.

Once mixed, pour out, level to the required thickness by rake and screed bar, then smooth and finish using a trowel, before compacting with a roller. CONICA smoothing agent should be used to lubricate tools.

Following installation, the area needs to be protected until fully cured. Curing periods vary according to climatic conditions and choice of binder, but typically can be between 6 and 24 hours.

Full strength of the surface will not be realised for 3 days after installation so for heavily used areas it is advisable to restrict the use during the first 3 days.

Avoid any installation during periods of rain, in standing puddles of water. Optimal climatic conditions

for a standard cure time are between 15°C – 30°C and 50% relative humidity. Working outside of these conditions may affect both the cure time and workability of the binder. When working in temperatures below 5°C, ACCELERATOR 10 or 15 may be used.

Please contact CONICA Ltd. technical services on uktechnical@conica.com for further information.

Pack size

Standard 10kg bags, ex stock or bulk bags can be produced to order depending on application. All CONICA binders are available in 25kg kegs and 220kg drums.

Storage

Keep dry if the material is going to be used as a bound system.

Safety precautions

Rubber mulch is non-hazardous in its cured condition. For protective measures, transport regulations and waste management, please refer to the Material Safety Data Sheet.

Disclaimer

The colour integrity of rubber mulch cannot be guaranteed. Rubber mulch will wear and fade if subjected to high levels of foot traffic and/or UV light. To ensure that you are installing the correct system for your particular project, please contact Technical Services.

Please note

Where possible, rubber mulch orders will be fulfilled from one production batch. Where this is not possible, the installer MUST mix the supplied batches in order to achieve colour consistency throughout the installation

Rubber mulch is **NOT** suitable for nurseries or other play areas where the design requires users to crawl.

Whilst rubber mulch is entirely suitable for use as a playground surface, it will wear more quickly than a coloured wet pour surface. Therefore, it is recommended that areas of very high use (e.g. below swings, adjacent to roundabouts, at gateways and at the base of slides etc) are completed using a wear pad of coloured EPDM.

Standard colours

Six standard colours are available from stock and any combination can be mixed on site. Plain black is also available on request.

High Performance Flooring
Play | Sport | Industrial | Decorative

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