

Rubber Mulch – Technical Bulletin

We supply colour coated products as a lower cost alternative to virgin through coloured rubber products like EPDM and TPV.

These granules are not only lower cost but as they contain 90% recycled rubber they are better for the environment, enhance the green credentials, and reduce the carbon footprint of any project constructed with these materials over other virgin manufactured rubbers.

The process encapsulates recycled tyre rubber in a tough PU polymer coloured with light stable pigments and, once fully cured, the pigments and coating are both non-toxic and inert.

The coated tyre rubber is available in two forms, shredded rubber fibres for use in loose and bonded rubber mulch surfaces and 1-4mm granules for use in more traditional 'wet pour' safety surfaces.

The coating process not only colours the rubber but also primes the granules such that when the materials are mixed and laid with the final binder on site, significantly higher tensile strength and durability can be achieved. Also as the density of the rubber is around 15% lower than most virgin products the spread rates are better and less kilograms per square meter are required further reducing costs on most projects.

We reprocess only the best quality materials from known producers' worldwide and full quality control procedures are in place throughout the entire process and all measures practicable are taken to ensure a good level of colour consistency is maintained.

Although the pigments and coating themselves are considered to have excellent colour stability it should be noted that due to the relatively thin coating and the high percentage of carbon black and other ingredients in the base tyre rubber, the colour coated rubber will darken over time due to physical wear and weathering. For more information please refer to our technical bulletin on the use of black rubbers.

Colour coated products are not intended to be a direct replacement for through coloured virgin granules, but to be a lower cost environmental alternative and as such are manufactured in a range of darker, more naturally sympathetic colours.

If brighter or more permanent colours are required you should specify through coloured virgin EPDM granules which we can also supply, albeit at a much higher price.

Please refer to the web site www.onlineplayground.co.uk for stock colours of coated granules and rubber mulch.