



Light deck®

Lightdeck®.

The durable alternative
for bridges, stairs and
pontoons!

What is Lightdeck® Under the name of Lightdeck® BRS brings a patented product on the market that exists of a lightweight aluminium board frame filled with EPDM or tire granule. Lightdeck® can be used to create drained, self-supporting and passable surfaces. Lightdeck® has been designed to drain off water immediately, so it does not stay behind on stairs, loading platforms, bridges and pontoons.

Product qualities Wooden bridge deckings soon become slippery in our climate, whether they are profiled or not. A bridge with Lightdeck®, however, remains rough and therefore safer. Besides black tire granule the Lightdeck® profiles can also be filled with coloured mixtures of EPDM synthetic granule. Because of the wide span of Lightdeck® a secondary support is entirely or partly superfluous. This means a considerable cost reduction in supports.

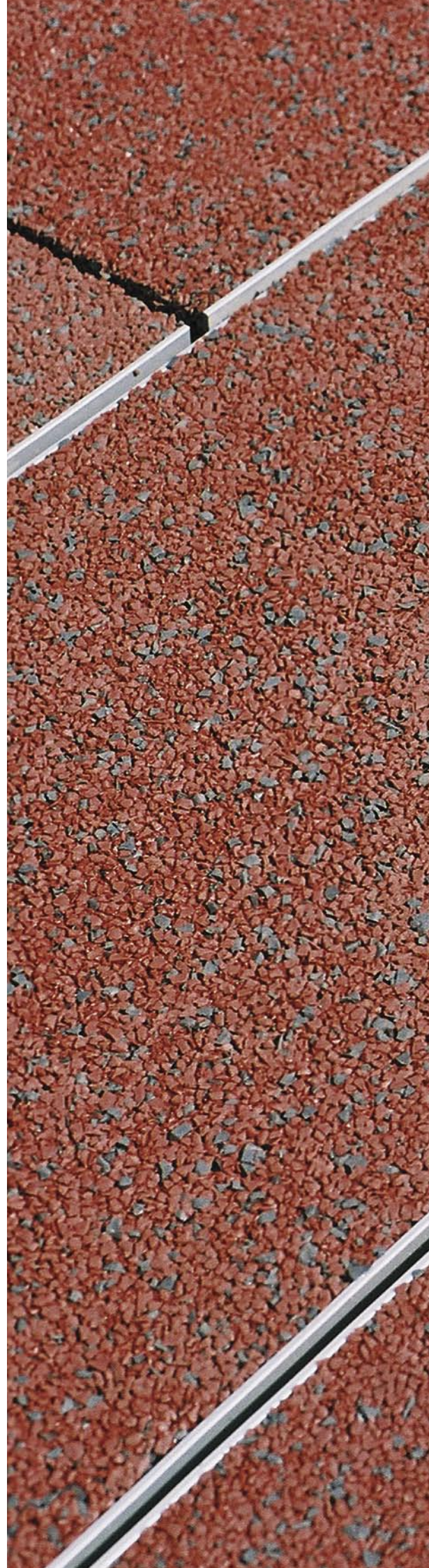
Applications The profiles have been designed for pedestrian and bicycle bridges, but some of the profiles will also hold maintenance vehicles. BRS can of course also deliver entire bridges, stairs or pontoons. Various projects, such as a bridge over the river IJssel near Zutphen and the bridge over the Zouthaven in Amsterdam, have already been completed!

Environment and maintenance Because the product has a long life span and the costs of maintenance are low, Lightdeck® is an ecologically sound solution. Both the aluminium and the granule are 100% recyclable. Apart from the other qualities of Lightdeck® the top layer is also sound insulating.

Mounting For mounting purposes the Easy Grip profile can be used, which clamps the Lightdeck® profiles onto a rubber strip on the supporting construction, but the profiles can also be mounted in other ways.

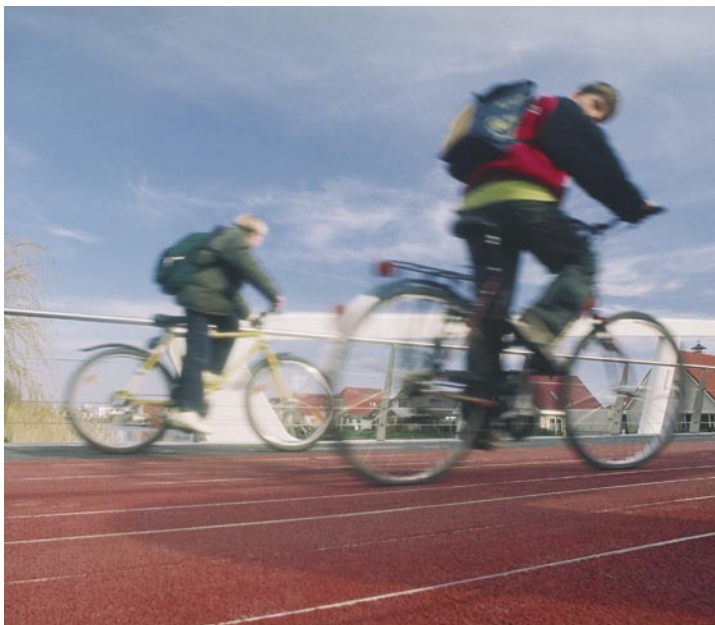
For more information:

www.lightdeck.nl or www.brs.nl





► Various projects, such as the bridge in Lelystad in the illustration and the bridge over the river IJssel in Zutphen have been equipped with Lightdeck®. On the platforms of the Oosterheem line the guide strips for the blind and the platform endings have been incorporated in the granule.



► **Granule.** The granule is available in many colours, and produces a 'through and through' surface. A slight discolouration caused by UV rays is possible. The granule is flame proof and, if necessary, can be cleaned under high pressure.

Lightdeck® profile	50-cp-02	50-cpw-05	95-cp-98	95-cpm-02	110-cpm-03
Suitable for slow traffic	x	x	x	x	x
Suitable for maintenance vehicle				x	x
Height of supporting profile	50 mm	50 mm	95 mm	95 mm	110 mm
Profile width net/effective	280/286 mm	294/300 mm	280/286 mm	280/286 mm	280/286 mm
Maximum length	10 m	12 m	12 m	12 m	12 m
Max. span at point load of 4 kN	1000 mm	1300 mm	2500 mm	3250 mm	4000 mm
Advised joint width	6 mm	6 mm	6 mm	6 mm	6 mm
Advised butt joint width	5-10 mm	5-10 mm	5-10 mm	5-10 mm	5-10 mm
Weight including mounting per m²	21 kg	28 kg	30 kg	41 kg	45 kg
Weight per running meter of profile per m'	6 kg	8.4 kg	8.5 kg	11.5 kg	12 kg

Running surface	Synthetic granule	Tire granule
Material	EPDM	Granulated car tires
Surface structure	Natural (not sanded)	Natural (not sanded)
Hardness	70 shore A	60-70 shore A
Surface roughness FSC 2000	Sufficient - very good	Sufficient - very good
Fire classification NEN 1775	T2	T2
Allowable temperature	-25/+80 degrees Celsius	-25/+80 degrees Celsius
Salt resistance	Good	Good

Technical changes reserved.

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