



 **BIM catalogs.net**

## 3D BIM CAD models of Grasscalm artificial turf edging available

Case Study



# Green thumb up! 3D BIM CAD models of Grasscalm artificial turf edging available on BIMcatalogs.net



## Landscape architects and planners benefit from extensive information as well as easy 3D BIM CAD download

Landscape gardeners and passionate hobby gardeners know the problem only too well: After mowing the lawn, the edges of the flower beds and the lawn itself usually have to be carefully trimmed by hand. In this case, artificial turf edging can help. The so-called mowing edge borders are made of artificial grass and are used for lawn edges as well as areas difficult to mow.

Trimming around the lawn edges is a thing of the past. In order that landscape architects and planners can include the innovative Grasscalm solutions in their plans right away, they can download the 3D BIM CAD models of their products directly from the 3D CAD download portal BIMcatalogs.net by CADENAS and integrate into their plans.

## The innovative product idea – not only for golf courses

Both CEOs of the Formenbau Güntner company hit upon the product idea through hobby golfing, which led to the founding of Grasscalm. The greenkeeper spoke to Heribert Güntner at the golf course about how quickly the grass grows in over the sprinkler systems and that cutting the sprinklers free involved a lot of time and work.

„Our family company Formenbau Güntner has been around for 24 years now and specialises in injection-moulded parts. With the new Grasscalm company, we were able to fall back on our existing know-how and previous experience and have developed the prototype of our artificial turf edging within one year,“ reports Andreas Güntner, CEO of Grasscalm. In 2015, then, the product was ready for series production.

Artificial turf edging consists of an artificial lawn mat sprayed with hot plastic. The grating enables the product to grow in together with the real lawn and is thus firmly anchored in the ground. The applications of artificial turf edging include commercial and public areas such as traffic islands, playgrounds, football fields and golf courses, as well as in private gardens along waysides or plant and flower beds and sprinkler nozzles or garden lighting.



## Use of easy-care artificial grass products in landscape planning is increasingly in demand

The landscape architect Manfred Schachenmayr, of the Brugger Landschaftsarchitekten, also knows the advantages of using artificial grass in landscaping: „I use artificial grass products in my planning more and more. It has proved to look nearly identical to normal grass. Easy-care artificial turf products can be used very well for outdoor facilities such as schools or playgrounds. Those are places where normal grass lawns would no longer make any sense. For golf and sports facilities, I have mainly put artificial turf to use in the tee-off areas as well as for the sprinkler systems.“ Manfred Schachenmayr specialises in planning the outdoor facilities of hotels as well as playgrounds and golf courses, designing under the motto living like on holiday. „My facilities should give people the feeling of beauty and aesthetics,“ confirms Manfred Schachenmayr. Currently, the landscape architect is working on the designing of an 18-hole golf course on the island of Rügen:



Manfred Schachenmayr  
Brugger Landschaftsarchitekten



The increasing use of artificial grass products in landscape planning also means that the planners and landscape architects increasingly require digital product data in the form of BIM CAD models for their planning and request such data from the manufacturers.

## Time and cost savings through 3D CAD artificial turf edging model

To enable landscape architects and planners to easily include artificial turf products of Grasscalm in their planning and design projects, the manufacturer has recently started offering 3D BIM CAD models of their products on the download portal BIMcatalogs.net, based on the proven PARTcommunity and eCATALOGsolutions technology by CADENAS. The digital product data of Grasscalm can be downloaded in more than 100 BIM CAD formats and directly integrated into common programs of the architect and construction branch such as Autodesk Revit, GRAPHISOFT ARCHICAD, Nemetschek Allplan, etc. Moreover, lots of additional information about Grasscalm products is available for customers and interested parties.



» Thanks to the download portal, our aim is to be involved with our products directly in the planning process. «

Andreas Güntner  
CEO  
Grasscalm GmbH

Article Number	1210-130		
Level of Development	350		
Internal diameter	130	mm	
GRASSCALM Installation DE	Info DE		
GRASSCALM Installation EN	Info EN		
GRASSCALM eShop DE	Info DE		
GRASSCALM eShop EN	Info EN		
Outside dimensions	41x41x8	cm	
Material	PP		
Lawn width	7	cm	
Weight	550	g	
Suitable for	Post and bar articles, Irrigation systems, Lighting fixtures		

To enable landscape architects and planners to easily include artificial turf products of Grasscalm in their planning and design projects, the manufacturer has recently started offering 3D BIM CAD models of their products on the download portal BIMcatalogs.net.

„If they are in need of a Grasscalm product, planners can now look directly on the Internet and do their own configuration. Afterwards, they can easily download the BIM CAD model as well as further information and thus obtain the exact product they desire. This reduces the risk of potential errors and saves the landscape architect as well as Grasscalm a lot of time,“ says Andreas Güntner of Grasscalm. „Thanks to the download portal, our aim is to be involved with our products directly in the planning process.“

## Trend towards 3D in landscaping

Manfred Schachenmayr is sure that the creation of detailed plans will be much easier when landscape architects and planners have access to a pool of products and building materials with 3D CAD models, such as from Grasscalm. „At this time, we are in a transitional period in the field of landscape architecture, from 2D to 3D planning,“ says Manfred Schachenmayr.

The Grasscalm company took up the trend of 3D BIM product data in landscaping early on, with its 3D BIM CAD download portal, excellently positioned for the future.



Grasscalm's 3D CAD download portal  
<https://grasscalm.partcommunity.com>



BIMcatalogs.net portal by CADENAS  
<https://bimcatalogs.partcommunity.com>

# Company descriptions

## Grasscalm GmbH

The new artificial turf edging from Grasscalm offers a well-maintained appearance without a huge workload. Due to the nature loving artificial grass, they integrate into the natural environment and prevent ingrowth.

Difficult to mow places near paths, fences, walls or other objects that normally have to be machined with an edge cutter are well equipped with the artificial turf edging. It can also be used as a bedding or plant boarder, or alternatively as a protection from irrigation nozzles.

Once installed, the cutting and maintaining of the lawn are a thing of the past. Grasscalm has been providing outstanding gardening for many years.

The artificial grass is not glued, but is connected to the locking system during the injection modelling process.

[www.grasscalm.de](http://www.grasscalm.de)



## Brugger Landschaftsarchitekten

Brugger lanscape architects, city planners and ecologists have been working in the fields of landscape architecture and urban planning for more than 20 years. Employees from various disciplines (landscape architecture, urban planning, and landscape ecology) enable comprehensive project processing in all planning phases.

Our field of work ranges from structural planning at a regional level, through to municipal land-use planning to open-space planning projects in the countryside as well as urban areas.

We regard sustainability as a necessity in dealing with biotic and abiotic resources; this requires creative and innovative solutions.

The driving force behind our creative design is to create places that express the atmosphere, identity and remembrance values. Each planning is first viewed and analysed in a higher-level context.

[www.brugger-landschaftsarchitekten.de](http://www.brugger-landschaftsarchitekten.de)



## CADENAS GmbH

CADENAS is a leading software manufacturer in the area of strategic parts management and parts reduction (PARTsolutions) as well as electronic CAD product catalogs (eCATALOGsolutions). Significant features of the software solution eCATALOGsolutions include intelligent CAD models, the creation of interactive product configurators and efficient lead generation with Smart Sales. CADENAS presents its tailored software solutions as a link between the component manufacturers and their products as well as their customers. The company supports over 10,000 customers worldwide in 40 countries.

The name CADENAS (span. process chains) has stood for success, creativity, consultation and process optimization, with 300 employees at 17 locations since 1992.

[www.cadenas.de](http://www.cadenas.de)

