

WonderfulVinyl

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PVC in architecture
and design



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FROM SINGLE USE MEDICAL DEVICES



TO LONG LASTING WALL COVERINGS



Single-use PVC medical applications receive a second life as sustainable and long-lasting vinyl wall covering: a circular economy project that saw the light over the course of the past year. The medical recycling programme implemented by VinylPlus® Med just turned one year old: sorting and recycling single-use PVC medical devices, to reduce environmental impact and operating costs of healthcare.

The 1st anniversary of VinylPlus® Med showcased how a successful partnership between hospitals, waste management companies, recyclers and plastic converters can turn healthcare PVC waste

into sustainable and long-lasting interior design products that are used again in hospitals.

The celebratory event attracted political decision makers, the local mayor and members of the Brussels Parliament, representatives from the Belgian hospitals, and media. The interest in VinylPlus® Med and the awareness of environmental responsibility continue to expand in the healthcare sector.

The main protagonists are Belgian hospitals: in the past 12 months, 11 hospitals joined VinylPlus® Med and 35 hospitals are now willing to join this recycling programme in 2023.

Project partners Renewi (waste management company) and Raff Plastics (plastic recycler) have made possible the manufacturing by Vescom of the very first product made



from the collected PVC waste: a highly aesthetic wall covering for hospitals. Headquartered in Deurne, the Netherlands, Vescom develops, manufactures and distributes long-lasting interior solutions for the international contract market. Reusing their own production waste adds another layer to Vescom's focus on sustainability by using of post-consumer PVC recyclates.

Vescom has already taken important measures to improve the material's environmental impact, including working with only water-based inks and phthalate-free vinyl films. While already minimizing the consumption of energy and water in its production processes, Vescom is on the way to become CO₂ neutral.



Find out more about VinylPlus® Med:
vinylplusmed.eu & [watch our video](#)

ROTTERDAM WATERSHED



TECHNICAL INFO PVC Pipes

ARCHITECTS

Doepel
Strijkers,
Rotterdam,
The Netherlands
doepelstrijkers.com

LOCATION

Edinburgh,
Scotland





Rotterdam is famous for its sustainable development initiatives, a contemporary concept taking into account climate adaptation and mitigation in its urban development.

Maximal social and ecological benefits have become part of the city's sustainable approach over the last decade.

#RotterdamWatershed, designed by the Dutch interdisciplinary studio Doepel Strijkers, is a pop-

up pavilion that portrays this sustainable development concept in a playful way. 2400 recycled PVC rainwater pipes are used to create this shed-like structure. Half of the pipes are stoppered on one end by plants, and by PVC caps on the other end. When rain falls, the installation captures rainwater and releases it slowly through small holes in the PVC caps. Ultimately, the water is collected in a pond at the bottom of the structure. The savings derived by the use of second-

hand PVC pipes made possible to reinvest in social jobs within the production process stage, consequently creating social return.

The pavilion illustrates in a playful manner how the city of Rotterdam is dealing with the effects of climate change. The hashtag #RotterdamWatershed is used on social media channels in relations to innovative climate adaptation projects in the Rotterdam region.



PICTURE CREDITS

Monseigneur
Madhatter



**TECHNICAL
INFO**
PVC
Ceilings

ARCHITECTS

Halvorsen & Reine,
Drammen, Norway
heras.no

LOCATION

Oppegård,
Norway

THE WELL

The Well, Scandinavia's largest independent wellness facility, brings together multiple spa experiences and concepts from around the world.

Located in a forest in Kolbotn, ten miles south of Oslo, the spa brings the global spa culture to the Norwegian market. In addition to a central three-storey building, The Well is composed by many other internal and external structures.

Composed of three levels, the huge pool area features a 3-dimensional ceiling made of a metal supporting structure covered in opal white PVC.



This space changes in colours and landscape thanks to a lighting system: the optic effect changes the volume and the displayed image, creating different sensorial experiences.

The challenge for the design team was to create a coherent concept integrating multiple environments, inspired by different wellness traditions.

The ultimate goal was to generate a contemporary design area and to integrate a variety of different themes. Overall, the interiors are spacious and airy, and use understated and unexpected materials. The design of the special areas welcomes guests in a narrative of each new world with elegant, complex materials and sumptuous colour concepts.

PICTURE CREDITS

Erik Nissen Johansen

AQUARENA

AQUATIC LEISURE CENTER



TECHNICAL INFO

PVC
Ceilings

ARCHITECTS

Sarea Alain
Sarfati Architecture,
Paris, France
sarea.fr

LOCATION

Arras,
France

p/9

The Aquarena Aquatic Leisure Center is located in Arras, a town in the heart of the French Val de Scarpe. Designed by Sarea Alain Sarfati Architecture, this public pool pavilion presents a futuristic design, given by the undulated PVC ceiling elements and the ethereal interior mood.

French architect Alain Sarfati's design for the Aquarena Aquatic Leisure Center draws inspiration from water. Paying homage to ancient baths as well as contemporary spas, the architect brought together the health, relaxing and cleansing qualities of water. Water is present in all of its forms: as a means for exercise, as family recreational activities and as personal body care.

The space is unique in terms of its facilities, architecture, and location. Intended to be a place for people to come together, it had to be attractive and appealing, inciting people to come, discover, and come back again, exploring a new aspect each time.



Resembling the free-flowing movement of water, this interior features aquatic spatial elements and domed structural details. From illuminated LED lighting to organic interior architecture, this recreational environment redefines the meaning of sensory space and embraces the beauty and freedom of nature. The ceiling consists of 43 micro-perforated PVC membranes (approximately 25,608 square feet total) that offers high sound absorption, supported with ghost aluminium frames.

The modernity of the building and facilities lies in their capacity to

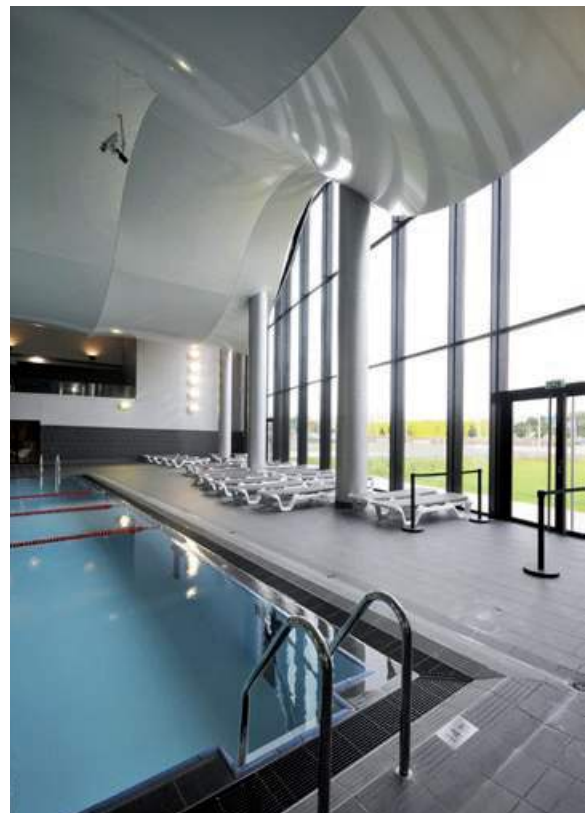
inspire, providing an ideal space for relax. The structure is intended to stand as a poetic metaphor, with an architecture that is in harmony with nature and the people using it.

To ensure that the project and its realization fulfilled its intended role, Sarea Alain Sarfati Architecture have gone above and beyond the mere decor or the thematic. From the very start of the design process, the designers sought to draw an inexhaustible world of imaginative metaphor, so that pleasure may be experienced ever anew, without artifice.



PICTURE CREDITS

Veza Productions
ADAGP Noelle Hoeppe



BEYOND EDEN



TECHNICAL INFO

PVC
Membrane

ARTIST

Stanisław Dróżdż,
Sławków, Poland
muzeumslaskie.pl

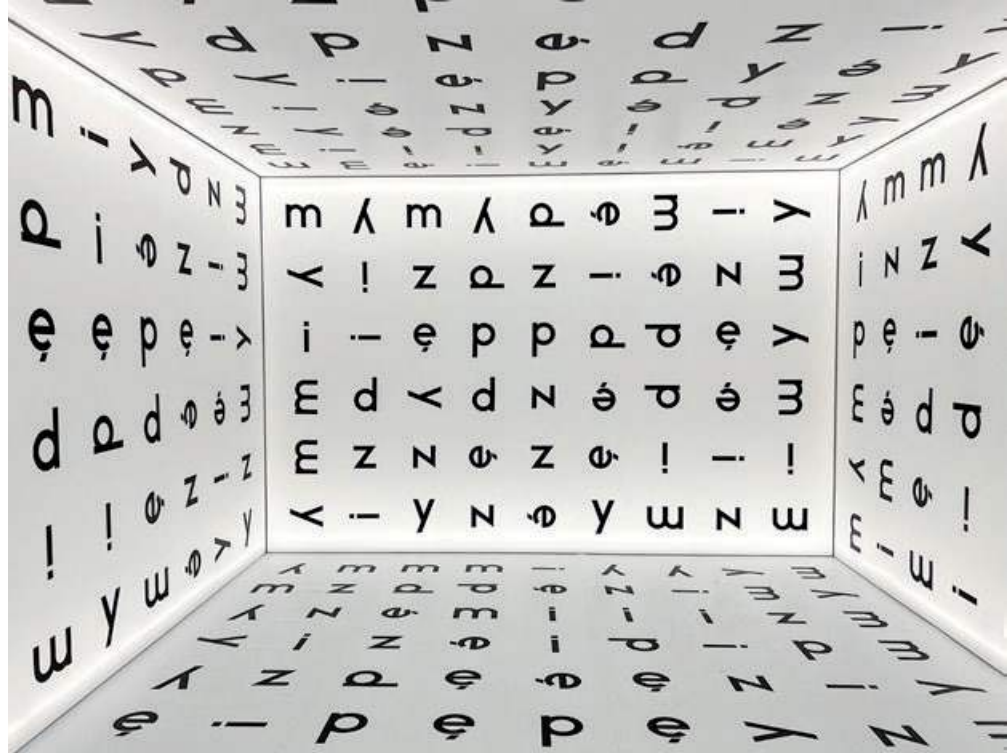
LOCATION

Silesian Museum,
Katowice, Poland

Stanisław Dróżdź, artist of this project, is one of the most important Polish contemporary artists, the most significant artists of the Polish avant-garde of the 20th century and the most outstanding creator of concrete poetry.

Dróżdź has combined text with visual space elements to create the 'white cube' covered with the letters of the word 'in-between'. Dróżdź introduces the observer into the centre of the text, surrounded by the letters. The work is at the same time an installation and a text, a sign and a space, literature and visual art. This uncanny character generates the intuition of infinite recurrence of the text and the reader.

The installation develops in a room characterized by white walls made of printed PVC membranes. The black letters are positioned in the space all



around the walls and ceiling, creating a particular cinematic effect, a movement that involves the visitor and immerses him in a particular experience.

The exhibition "Beyond Eden" was born with a view to presenting a set of works acquired for the current collection of the Silesianmuseum. Originally, the work was shown in one of the rooms of the Foksal Gallery. Currently, it exists as a series of projects that only slightly

differ in dimensions. Although the word "between" does not appear in the normal notation, we see it all the time. The artist poses the question of how far the identity of a given thing can be violated in order to still be recognized. The space of the pavilion can be considered as an attempt to create a physical experience, which would be a kind of equivalent of the word from the title of the work. What is essential is not "in", but often "between".



PICTURE CREDITS

Silesian Museum



CENTRAL BUS STATION CANOPY WIESDORF



TECHNICAL INFO

PVC
Membrane

ARCHITECTS

Pahl + Weber-Pahl Architekten,
Darmstadt, Germany
pahl-architekten.de

LOCATION

Leverkusen,
Germany

Pahl + Weber-Pahl Architekten redesigned the Wiesdorf central bus station as part of the urban reorganization of the area.

The project has been awarded a 2021 International Architecture Award by The Chicago Athenaeum: Museum of Architecture and Design and The European Centre for Architecture Art Design and Urban Studies.

The concept of the new design is lightness. Based on a 3D-model, 8 downwards extended funnels result in curved surfaces made with a PVC membrane being borne by an edge beam. The side frames absorb the illumination and direct it into precise points, creating new spaces such as waiting areas and



drainage areas. The composition between shape and structure is defining for the architectural expression.

The canopy over Wiesdorf central bus station is an elliptical structure, measuring approximately 117m

in length and 24m in width. The PVC roof membrane structure consists of 8 panels; each membrane panel has been designed with a circular low point, creating a 3-dimensional surface curvature.



PICTURE CREDITS

Sven Kaufmann,
Roman Mensing

K-KAMPUS HEADQUARTER



TECHNICAL INFO

PVC
Flooring

ARCHITECTS

Dsign,
Helsinki, Finland
dsign.fi

LOCATION

Helsinki,
Finland

Finnish design studio DSign was asked to design a totally new customer experience to the K-Kampus, housing the headquarters of K Group, the biggest trading sector operator in Finland.

The heart of the whole building is the sky-high atrium hall, which brings together visitors and employees. The multiuse space works both as a showroom and event space and it can be divided to suit varying needs, from small gatherings to huge entertaining customer events.

The three company's business areas are showcased along the visitor path. As a visitor walks in, it's possible to get behind scenes views of the kitchen and

the broadcasting-studio through the glass walls. All the spaces are meant to be multiuse: the kitchen can be converted into a bar in the evening, and the employee restaurant on the first floor can be used as working café.

To encourage encounters in the heart of the atrium, a cafeteria can be used both by the employees and the occasional visitors.

In terms of design, the interior architecture gives the office a strong identity, where a timeless aesthetic dominates the open space. A PVC flooring from various collections has been installed in many areas, giving the office a sense of openness and timelessness.



PICTURE CREDITS

Martin Sommerschild /
Kuvio & Mika Huisman





COOLSTUFF

TECHNICAL INFO

PVC
Flooring

DESIGNERS

RUMRUM
Malmö, Sweden
rumrum.se

LOCATION

Malmö,
Sweden



Durability and functionality were the keywords when Swedish online wholesaler CoolStuff was looking to design its new office next to the warehouse.

Thanks to the collaboration with the Finnish creative agency RUMRUM, the space has been designed through a series of environments dedicated to carrying out the various activities: workspaces, meeting areas, and common areas dedicated to socializing.



Each operating area is marked by a series of basic materials that differ in colour: the PVC floors allow for a sensation of continuity between the rooms while characterizing each of them. The walls alternate bright colours such as yellow, blue, and green, to dilute the austere atmosphere of the office and give it a sense of freshness.

The work environments are separated from the common areas by large windows which allow for the right amount of privacy to be provided and, at the same time, make the entire headquarters more transparent and visible.

PICTURE CREDITS

Philippe Chancel

MEDIA LIBRARY



TECHNICAL INFO

PVC
Ceilings

ARCHITECTS

Agence Chabanne,
Paris, France
tracearchitectes.com

LOCATION

Harnes, France



Within the scheme of the urban requalification of two mining towns, Orient and Bellevue, the Media Library designed by Paris-based Agence Chabanne aims to be a marker between the landscape promenade, set up on a former riders' path, and the forest areas of the north side of the city of Harnes.



PICTURE CREDITS

Jonathan Alexandre

The winding lines of the pathway, surrounded by plants, guide the visitor towards the curved shapes of the media library, to then get lost around the entrance facade, and finally curl up upwards the outlines of the building and towards a small path sinking in the forest. The harmony between shapes and materials reflects the will to make the visitors comfortable with the institution: it's a reassuring and welcoming shelter, with a part of mystery that creates the curiosity to get in and to discover the place.

The canopy of the main arch at the entrance houses a glass facade

through which the lobby, the news area and the beginning of the kids' area are visible. As soon as the visitors get in, they are struck by the light of the place, conveyed by the alignment of patios. The ceiling of the interior are developed through a series of PVC membranes with the function of capturing sound waves while keeping the space in a silent dimension.

Furthermore, the micro-perforated membranes in PVC filter the light and spread it homogeneously throughout the internal space.

WonderfulVinyl



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OF VINYL MANUFACTURERS**

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