

CASE STUDY



MAGDEBURG, GERMANY

ARCHITECT	ARC ARCHITEKTURCONZEPT
MARKET SEGMENT	MULTI-HOUSING, APARTMENTS
BUILD TYPE	NEW
USE	FAÇADE
FIXING SYSTEM	TS700
YEAR	2017

TRESPA® PRODUCT TRESPA® METEON®

AD5.5.0 QUARTZ GREY	NW10 ENGLISH CHERRY
SATIN	SATIN



Think Trespa

TRESPA®

APARTMENTS AT THE NORDPARK, MAGDEBURG

AN ARCHITECTURAL SHOWPIECE THAT TOOK 71 YEARS TO MATERIALISE

THE APARTMENT COMPLEX 'WOHNHAUS AM NORDPARK' IS THE RESULT OF A UNIQUE – AND DEFINITELY DRAWN-OUT – CHAIN OF EVENTS. IT ORIGINATES IN THE LATE 19TH CENTURY AND TOOK A DRAMATIC TURN ON JANUARY 16TH, 1945, DURING ONE OF THE MOST DEVASTATING BOMBING RAID OF WORLD WAR II. WITHIN HOURS, THE MAGNIFICENT DEPARTMENT STORE THAT STOOD THERE, A TYPICALLY ORNATE BUILDING IN THE IMPERIAL STYLE, WAS DESTROYED TO THE GROUND. THE RESULTING 'WAR GAP' IN THE CITYSCAPE, RIGHT IN THE CENTRE OF MAGDEBURG'S OLD NEW TOWN, WOULD STAY VACANT FOR NO LESS THAN SEVEN DECADES.

It wasn't until 2015 that Frank Rückriem, the CEO of Stadtfelder Wohnungsbaugenossenschaft (WBG) – a local, membership-based property developer – made a long overdue decision: "We will fill the gap with a modern apartment building designed to emphasise the round shape of the Pfälzer Platz".

The project was ambitious and provided an ideal opportunity to showcase the locally available expertise: arc architekturconcept, a Magdeburg-based, award-winning architectural firm, developed the concept while a local specialist, whose know-how is in high

demand all over Germany, was put in charge of installing the one-of-a-kind ventilated façade.

UNIQUE BY DESIGN – AND BY CHOICE

"The specific situation is always our starting point", explains Sandra Oheim, the principal at the Magdeburg office of arc architekturconcept. "We strive for excellence and for us, no two buildings are alike, because, quite simply, they shouldn't be. That's why we favour concepts that are both stringent and out of the ordinary. She brings it to the point: "Ready-made is not part of our vocabulary. We are working on all kinds of projects in a variety of situations, and we certainly do not spurn a synergistic approach.



Photography: © mizafo.de



Photography: © mizafo.de



We regularly use Trespa® products, and for a simple reason: the material is convincing. Trespa manufactures HPL façade panels that are highly durable and durably beautiful. In addition, the choice of decors and the tactile quality of the finish are outstanding.”

Sandra Oheim, arc architekturconcept

But originality has always to be front and centre. This is what our clients expect from us – and it certainly applies to the Wohnhaus am Nordpark”.

WBG was keen to keep the new apartments affordable, but at the same time intent on supplying highly functional, upscale living space to the company’s members. In addition, as a replacement for the iconic building of yore, the new ‘Wohnhaus’ had to be a showpiece in its own right – a significant, contemporary contribution to Magdeburg’s cityscape that would, at the same time, epitomise the company’s own commitment to excellence.

Sandra Oheim points out: “We decided to play with three materials. More would have been too much. We combined white render, glass and HPL (High Pressure Laminate) façade panels. At the same time, we made the most of the interaction between the curved shape of the building itself and the unusual configuration of the main façade: it alternates protruding ‘boxes’ with recessed loggias. The result is a markedly tridimensional façade, made all the more striking by the material combination”. She underscores: “Each apartment includes a loggia, and most units feature one of those 3D boxes. For maximum visual impact, the boxes have been clad with Trespa® Meteor® panels in a vibrant hue”.

IDEALLY SUITED FOR THE PROJECT: THE TRESPA® FAÇADE PANELS

For the architect, the Trespa® panels came with a highly specific, and ultimately decisive advantage – the material’s inherent flexibility. “Depending on the context, fibre cement panels are an alternative worth considering, but this wasn’t an option here. The façade facing the Pfälzer Platz is shaped like a ship’s prow, and the material had to follow the smooth curve of the hull, so to speak. There was no way to achieve such an effect with a stiff material like fibre cement”.

The design combines two Trespa® Meteor® colours. The boxes and loggias are clad with panels in ‘English Cherry’ – a striking, reddish brown wood decor that highlights the 3D structure. They are complemented by panels in a neutral shade of dark grey: used on both sides of the openings, where they blend with the windowpanes, they help create a contrasting, horizontal pattern. Sandra Oheim explains: “We regularly use Trespa® products, and for a simple reason: the material is convincing. Trespa manufactures HPL façade panels that are highly durable and durably beautiful. In addition, the choice of decors and the tactile quality of the finish are outstanding. In this respect, I will share with you a rather entertaining anecdote. As the project was nearing completion, things were getting tense, as they often do on building sites, and we were all eager to cross the finish line, when all of a sudden, quite a few Meteor® panels went missing. There was only one possible explanation: we were not the only ones who had a strong liking for the material! Luckily enough, these unexpected Trespa aficionados

did not cause too much of a disruption, as Trespa was able to supply replacement panels very quickly”.

KNOW-HOW IS THE INGREDIENT THAT MAKES THE DIFFERENCE

Jan Zenthöfer is the project manager at WF Bau, the specialist for ventilated façades that was in charge of the project. He makes it clear right away: “We pride ourselves on delivering the highest quality in the most demanding situations. As a result, our company has been involved in quite a few high-end façade projects: in a way, they are our market niche. Our competence and our ability to deal with complex façades are obviously widely recognised and appreciated. Our nationwide activities – from Berlin all the way down to Munich – reflect it. As a result, I’m crisscrossing Germany, and recently, I spent half a year travelling back and forth between Magdeburg and Freiburg, near the French border, to coordinate a larger project there”.

He continues: “WBG wanted the Wohnhaus am Nordpark to become a real showpiece, and the architects at arc came up with ideas that go well beyond any conventional approach for a residential building. In such a case, our size and our know-how make all the difference. With our team of 30 specialists, we are a one-stop-shop for ventilated façade solutions – from the design of the sub-framing to the complete installation. In addition, our workshop is equipped with advanced CNC cutting and milling machines. We were therefore in the ideal position to develop and install the ventilated façades for the Wohnhaus am Nordpark project”. Jan Zenthöfer adds: “We put our CNC equipment to good use and managed all the cutting and milling operations in-house. At the same time, we successfully minimised cutting waste. I must point out that the choice of four panel sizes offered by Trespa was very helpful here: for the Wohnhaus project, we used three of those standard panel sizes”.

“The architectural concept confronted us with a threefold challenge. First, we had to meticulously prepare all the shop drawings for the façade. This was anything but easy, as we had to deal with multiple panel dimensions, to say nothing of the curved panels. Then, we were confronted with the panels on the undersides of the protruding ‘boxes’,



Photography: © mizafo.de



Trespa® panels are a beautiful building material – and an extremely enduring one that will stay pristine for a long time. The impact resistance of the panels is equally impressive.”

Jan Zenthöfer, WF Bau

some of which have curved fronts. In that case, the undersides had to precisely match the façade's curvature. In some cases, we had to draw the individual shapes on location in order to prepare accurate templates. Based on the templates, we then cut the Trespa® Meteor® panels with the smallest possible tolerance in our workshop”.

He continues: “In addition to this, the sub-framing was highly specific and definitely sophisticated. In some cases, we had to make sure the façade's curvature would stay absolutely constant over several floors, while providing for the required stability of the whole system. For the curved sub-framing, we resorted to bent square tubes. The panels were then placed on the framing, put under constant, even tension and fastened in place with rivets. In such a case, one has to reduce the space between the rivets in order to compensate for the tension. Lasting stability depends on that kind of detail. Then, the installation of the undersides came with a

challenge of its own, as it is notoriously difficult and tiring to fasten cladding from beneath. In such a case, it is a huge advantage to use Meteor® panels, which weigh a mere 8 kg/m². Doing something similar with fibre cement panels would have been a Herculean task!”.

Jan Zenthöfer sums up: “The project was exciting and successful – which made it really satisfying despite its complexity. In addition, Trespa® panels are a beautiful building material – and an extremely enduring one that will stay pristine for a long time. The impact resistance of the panels is equally impressive. Although this was not a real issue here, when dealing with a school project, for example, it is essential. Depending on the context, we sometimes use bonded aluminium panels. But a good punch is all it takes to dent them. Try to do this with a Trespa® panel – you'll just hurt yourself! At WF Bau, by the way, we are about to get involved in a new, rather crazy project with Trespa. But this is all I can tell you for now”.

PRAISE ACROSS THE BOARD – FROM STRANGERS TO JURORS

Sandra Oheim concludes with some comments about the public's reactions to the Wohnhaus am Nordpark: “Once the project was completed, some of the comments made us quite happy. Indeed, total strangers would give us spontaneous, enthusiastic feedback and congratulate us cheerfully on our ‘Great job’. At the same time, we got many favourable reviews and two awards. In the category ‘Innovative Façade’, we won the national ‘Award Deutscher Wohnungsbau 2019’. The Award was presented to us in Munich by the famous German actress Barbara Schöneberger! In addition, our regional trade association, the ‘Magdeburger Architekten- und Ingenieurverein’, awarded us their prize ‘Bauwerk des Jahres 2017’ (Building of the Year 2017)”.



Photography: © mizafo.de

CASE STUDY APARTMENTS AT THE NORDPARK - MAGDEBURG, GERMANY

CONTACT US

TRESPA INTERNATIONAL B.V.

P.O. Box 110, 6000 AC Weert
Wetering 20, 6002 SM Weert
The Netherlands
www.trespa.com

CUSTOMER SERVICE DESK

EMEA EXPORT

Tel: +31 (0) 495 458 839
Info.Export@Trespa.com

TRESPA UK LTD.

Coast Road
North Shields
Tyne & Wear, NE29 8RE
United Kingdom
Tel: 0808-2340268
Info.UK@Trespa.com

TRESPA NORTH AMERICA LTD.

350 Fifth Avenue, Ste 4610
New York, NY 10118
United States of America
Tel: +1 800 487 3772
Info.NorthAmerica@Trespa.com

TRESPA CHINA CO. LTD.

Room 103-104, C2 No.800
Changde Road,
Jing'an District, Shanghai 200040
P.R. China
Tel: +86 (0) 21 6288 1299
Info.China@Trespa.com

CUSTOMER SERVICE DESK ASIA/PACIFIC

Tel: +86 (0) 21 5465 8388
Info.APAC@Trespa.com

VISIT US

TRESPA DESIGN CENTRE WEERT

Wetering 20
6002 SM Weert
The Netherlands
Tel: +31 (0) 495 458 845
TDC.Weert@Trespa.com
www.trespa.com/tdc

TRESPA DESIGN CENTRE BARCELONA

Calle Ribera 5,
08003 Barcelona
Spain
Tel: +34 (0) 93 295 4193
TDC.Barcelona@Trespa.com
www.trespa.com/tdc

TRESPA DESIGN CENTRE SANTIAGO

Eliodoro Yáñez 2831
Torre A - Local 1
Providencia, Santiago
Chile
Tel: +56 2 24069990
TDC.Santiago@Trespa.com
www.trespa.com/tdc

FOLLOW US



DISCLAIMER

GENERAL

These terms apply to the use of this document and such use automatically means that the other party agrees to these terms. The information provided by Trespa International B.V. ("Trespa") in this document is solely indicative. Trespa is unable to warrant the accuracy and completeness of this information. Trespa may change the information included in this document at any time and without further notice. Trespa's customers and third parties must ascertain that they have the most recent document (for the most recent version, please consult: www.trespa.com). No rights can be derived from the information provided; the use of the information is at the other party's risk and responsibility. Trespa does not warrant that the information in this document is suitable for the purpose for which it is consulted by the other party. This document does not contain any design, structural calculation, estimate or other warranty or representation that customers and third parties may rely on. This document does not guarantee any properties of Trespa products. Colours used in Trespa's communications (including but not limited to printed matter) and in samples of Trespa's products may differ from the colours of the Trespa products to be supplied. Samples are not intended for use in product tests and are not representative of characteristics of the Trespa

products. Trespa's products and samples are produced within the specified colour tolerances and the colours (of production batches) may differ, even if the same colour is used. The viewing angle also influences the colour perception. Metallics panels feature a surface whose colour appears to change based on the direction from which it is viewed. The specified colour stability and colour specifications relate only to the decorative surface of the Trespa products, not to the core material and samples of the Trespa products. Trespa products are delivered ex-works with straight, sawn sides. Customers and third parties must have a professional adviser inform them about (the suitability of) the Trespa products for all desired applications and about applicable laws and regulations. Trespa does not warrant the above. The most recent version of the current delivery programme and the Material Properties Datasheet can be found at www.trespa.info. Only the information in the most recent and valid Material Property Datasheet should be used to select and provide advice regarding Trespa products. Trespa reserves the right to change (the specifications for) its products without prior notice.

LIABILITY

Trespa is not liable (neither contractual nor non-contractual) for any damage arising from or

related to the use of this document, except if and to the extent that such damage is the result of wilful misconduct or gross negligence on the part of Trespa and/or its management. The limitation of liability applies to all parties affiliated with Trespa, including but not limited to its officers, directors, employees, affiliated enterprises, suppliers, distributors, agents, and representatives.

GENERAL CONDITIONS

All oral and written statements, offers, quotations, sales, supplies, deliveries and/or agreements and all related activities of Trespa are governed by the Trespa General Terms and Conditions of Sale (*Algemene verkoopvoorwaarden Trespa International B.V.*) filed with the Chamber of Commerce and Industry for Noord- en Midden-Limburg in Venlo (NL) on February 20th, 2015 under number 24270677, which can be found on and downloaded from the Trespa website, www.trespa.com/documentation. All oral and written statements, offers, quotations, sales, supplies, deliveries and/or agreements and all related work of Trespa North America, Ltd. are governed by the Trespa North America General Terms and Conditions of Sale, which can be found on and downloaded from the Trespa website, www.trespa.com/documentation. A copy of these general conditions of sale will be provided free of

charge on request. All general terms and conditions other than the conditions mentioned above are dismissed and do not apply, regardless of whether such terms and conditions are referred to on requests for offers, offer confirmations, stationery and/or other documents of the other party, even if Trespa does not expressly object to such terms and conditions.

INTELLECTUAL PROPERTY

All intellectual property rights and other rights regarding the content of this document (including logos, text and photographs) are owned by Trespa and/or its licensors. Any use of the content of this document, including distribution, reproduction, disclosure, storage in an automated data file or the dispatch of such a file without Trespa's prior written consent is explicitly prohibited. * Trespa, Meteon, Athlon, TopLab, TopLab^{PLUS}, TopLab^{ECO-FIBRE}, TopLab^{VERTICAL}, TopLab^{BASE}, Virtuon, Izeon, Pura, Pura NFC, Volkern, Trespa Essentials and Mystic Metallics are registered trademarks of Trespa.

QUESTIONS

Should you have any questions or comments, please do not hesitate to contact Trespa.

VERSION 1.0 ■ BROCHURE CODE U7039 ■ DATE 12-2020



VISIT TRESPA.COM FOR THE MOST
UP TO DATE VERSION OF THIS DOCUMENT.

TRESPA®