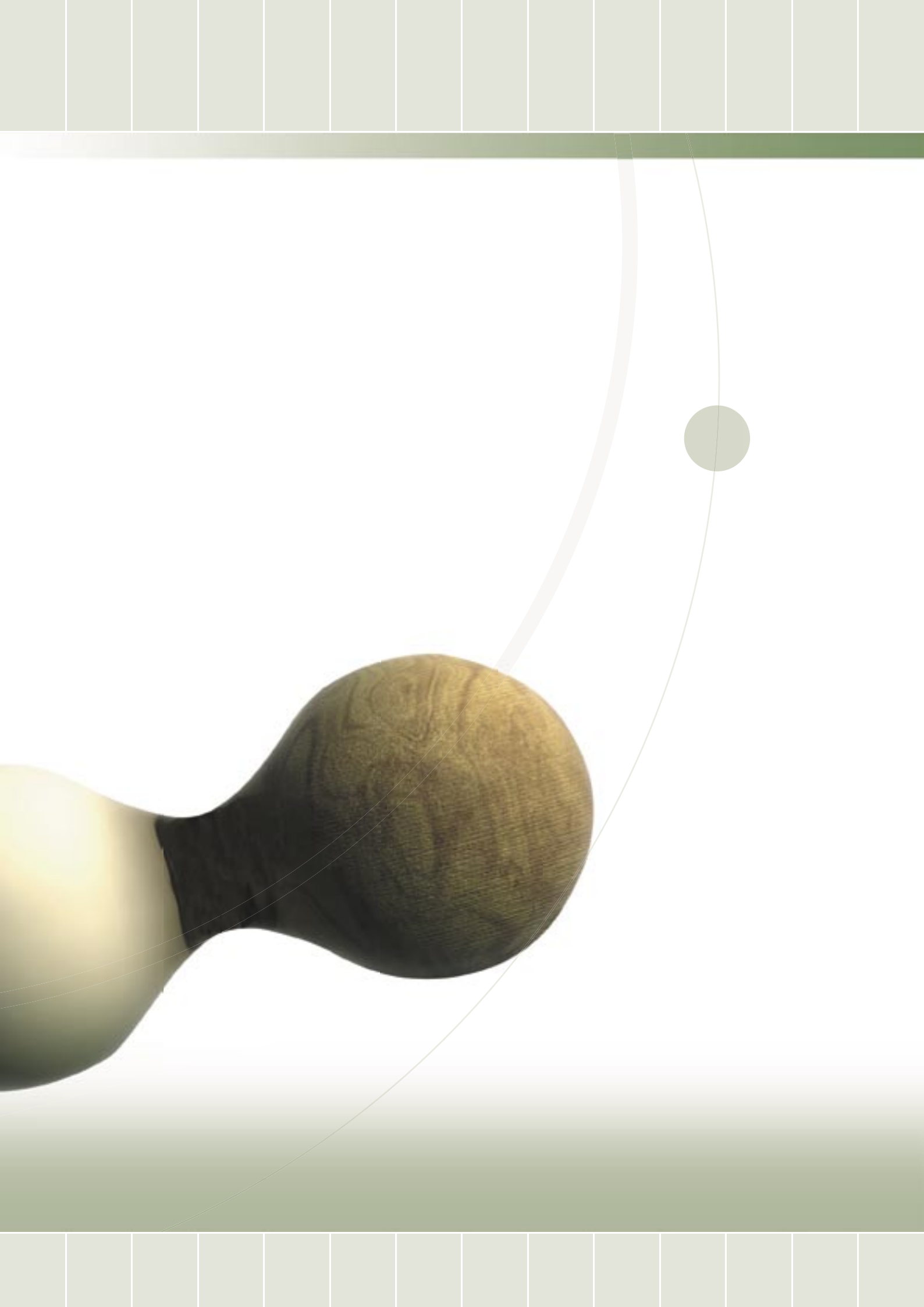




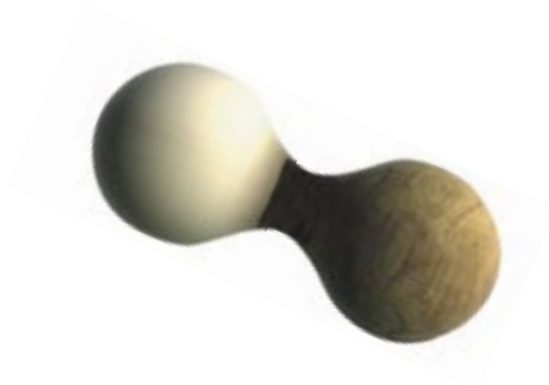
***BE PART OF THE NEXT GENERATION...***



## ***ALWAYS A STEP AHEAD...***

As a world leader in the extrusion of PVC profiles, we at Deceuninck are continually investing in research and development. Starting out from the wide knowledge we have built up over many years, we are ever scouting out new horizons. Inspired by our wide-ranging understanding of the building materials market, we are perpetually developing new products and areas of application.

In our endeavour to keep up-to-date, no challenge is too great. In a world that is changing ever more quickly and where the consumer is demanding ever higher quality, we are making tomorrow's solutions today - so Deceuninck always stays one step ahead.



Twinson® is the result of Deceuninck's continual drive to modernise. This revolutionary material combines wood and PVC and the advantages of both. In this way we get the best of both worlds, tradition and modernisation, the power of nature and technological advance - and that brings you nothing but benefits: with Twinson® you stay one step ahead too!



## ***TRADITION AND INNOVATION***

Deceuninck has over forty years experience of developing and producing PVC profiles for the building industry. Furthermore, it is not without reason that our watchword is 'a passion for excellence', since we use only the best materials. Our enormous experience and stringent selection of materials also ensure that Twinson® meets the highest quality requirements.

As part of our strivings for excellence, we invest incessantly in innovation. Thus Deceuninck has spent no less than two years on the development of

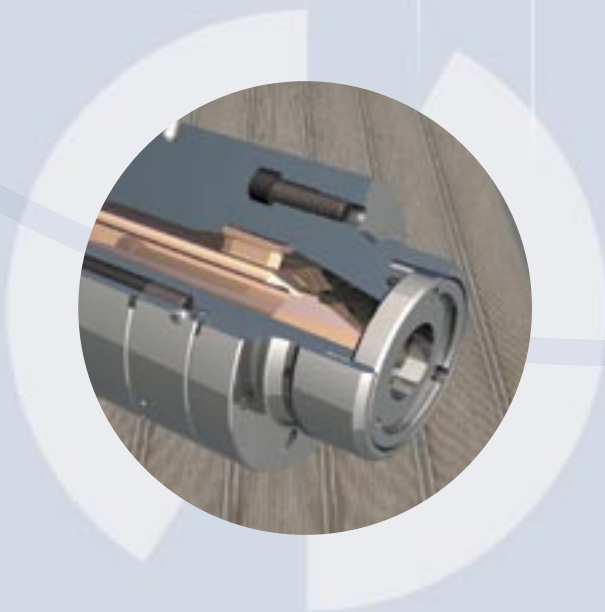
Twinson®. Thanks to this unflinching research, we are world leaders in the process of combining wood and PVC, thereby bringing together the advantages of both in the durable and flexible building material known as Twinson®.

Twinson® allows you to implement the most daring projects in terms of architecture and product development. This means that with Twinson® you are extending our rich architectural tradition as well as offering your clients the innovative solutions they are looking for.



RESEARCH IN THE DECEUNINCK LABS <<<





>>> *TECHNOLOGY, DECEUNINCK'S MAINSPRING*



## ***NATURE AND TECHNOLOGY***

Nature is our source of inspiration, technology our mainspring. The warmth of natural material gives us the security we demand while technology provides the solutions we are looking for.

At Deceuninck we employ technology with respect for nature. Twinson<sup>®</sup> is 100% recyclable - as well as being an environmentally friendly alternative to hardwood. While hardwood is available only from the threatened rain forests,

Twinson<sup>®</sup> contains pine, which grows quickly in forests that are continually replanted. In this way Twinson<sup>®</sup> contributes to sustainable forest management.

Twinson<sup>®</sup> unites nature and technology. With Twinson<sup>®</sup>, what are apparently contradictions, merge together into a multifaceted product that will beguile both the nature lover and the technology freak in you.

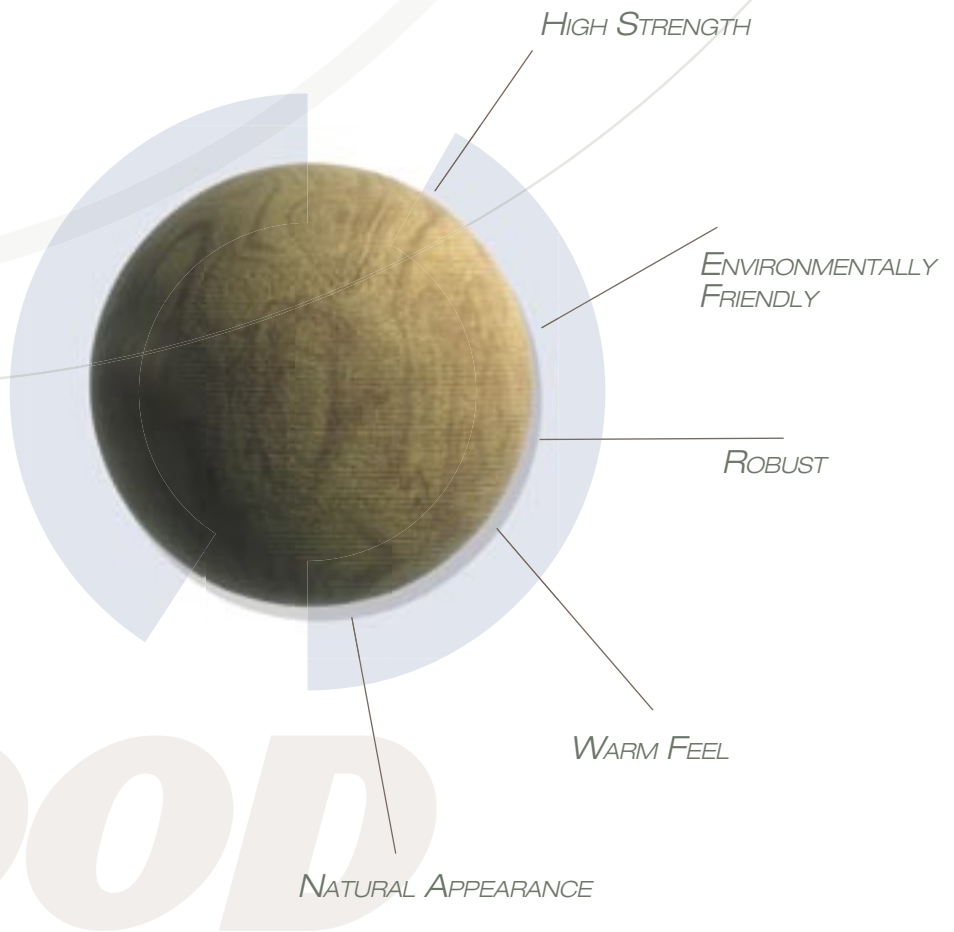
## **WOOD & PVC, THE BEST OF BOTH WORLDS**

By combining wood and PVC, Twinson® marries tradition and innovation, uniting the power of nature with the latest achievements of technology.

Twinson® gives you the best of both worlds - the natural appearance and warm feel of wood and

the durability and low maintenance of PVC.

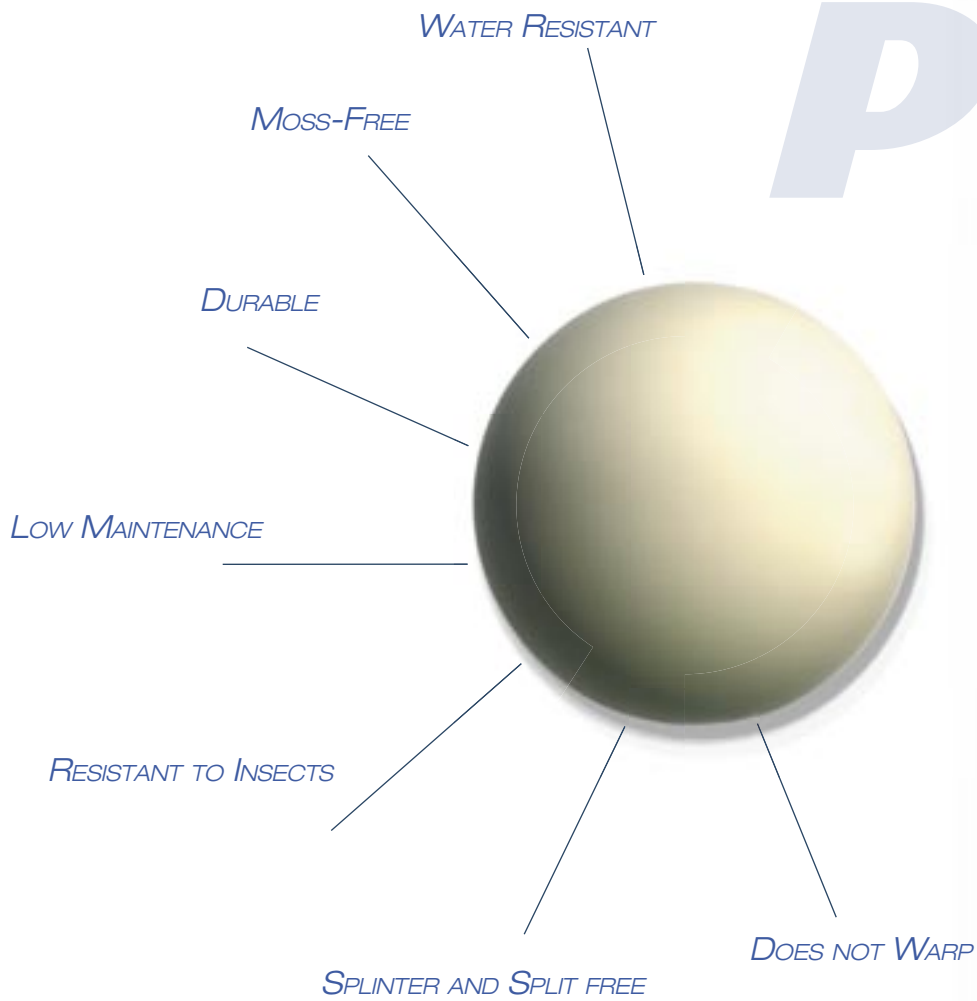
Twinson® is a new material with unlimited possibilities: from formal design to fanciful geometric shapes. This Twinson® technology offers you the alternative to wood.



# WOOD

## **Wood**

# PVC



## **PolyVINYLCHLORIDE**



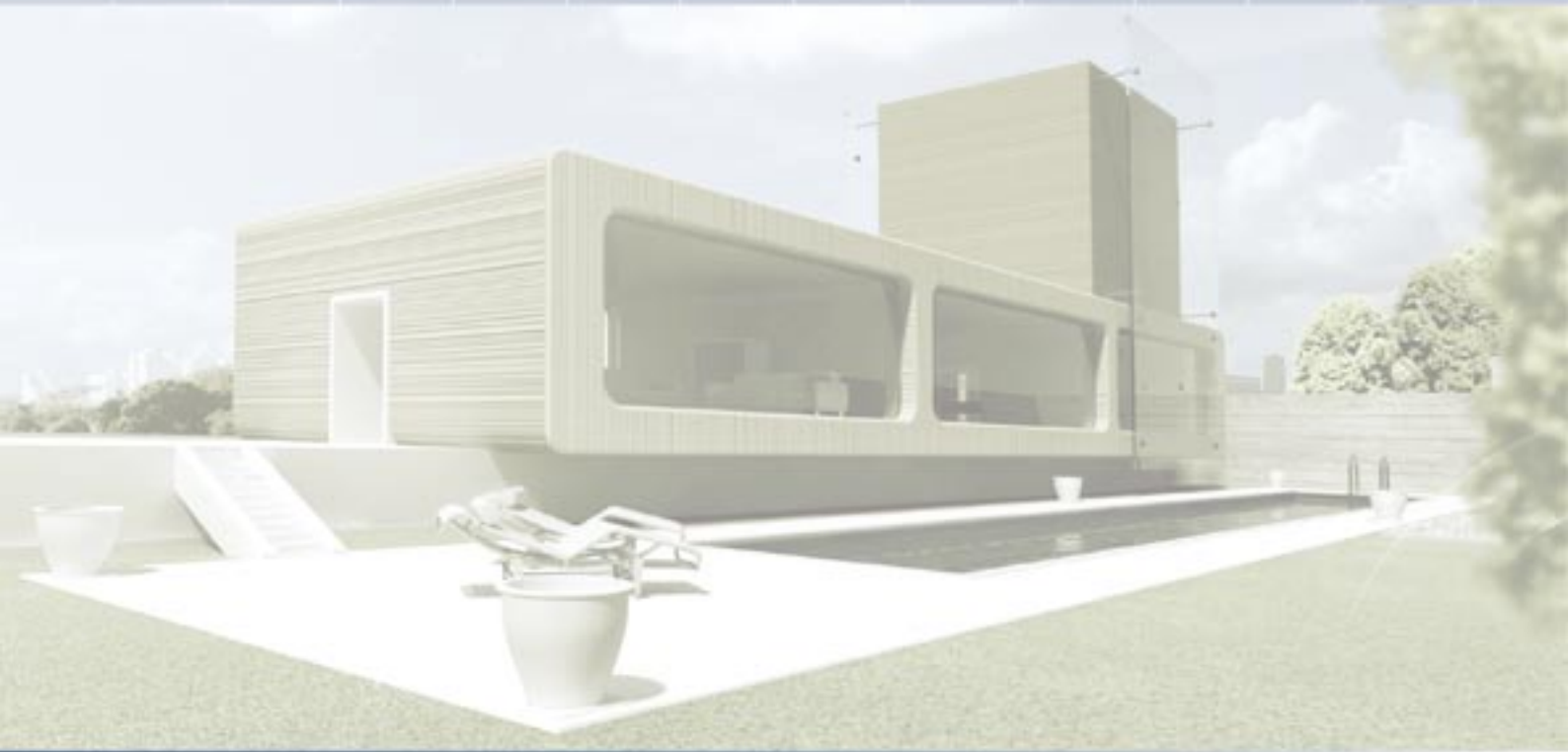
## TECHNICAL DATA *TWINSON MATERIAL*

example 50% pvc - 50% wood

<b>TEST</b>	<b>METHOD</b>		<b>VALUE</b>	<b>UNIT</b>	
Density	ISO 1183-1	method A	1.398	kg/m <sup>3</sup>	
Tensile properties	ISO 527/1B	E-modulus	6019	MPa	
		tensile strength	35,95	MPa	
		strain at break	0.90	%	
Brinell hardness	EN 1534	3kN	174	MPa	
Water absorption	EN 317	24 uur	thickness swelling	1.44	%
			weight increase	1.06	%
Flexural properties	ISO 178	E-modulus	extrusion direction	5855	MPa
		bending strength	extrusion direction	65.59	MPa
		strain at break	extrusion direction	1.30	%
Resistance against foil	prCEN/TS				
inhabiting soft	15534-1	durability class	1	class	
rotting micro-fungi	Annex E				
Linear thermal expansion	ISO 11359-2	extrusion direction	0.023	mm/m°C	
		perpendicular to extrusion direction	0.048	mm/m°C	
		thickness	0.084	mm/m°C	
Burning behaviour	ISO 4589-2	LOI	26.7	%	
Vicat temperature	ISO306	method B50	90.1	°C	



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