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المصمم Crystal Palace

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Joseph Paxton

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Crystal Palace

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(BUILDEX)

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( Float Glass )

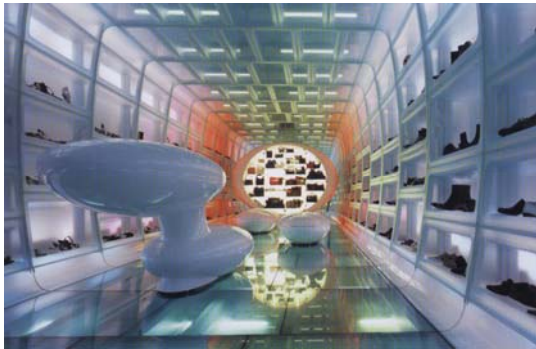
( Laminated glass )

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(16)

(17)

Shoebaloo , Amsterdam

(Kaefer)

( 1 )

(18)

(Microsorber)

( ٠.٨ - ٠.٢ )

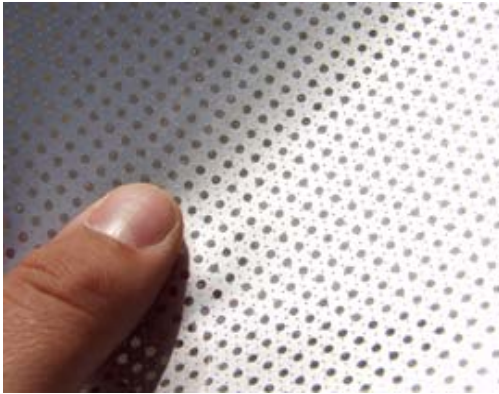
.(٣) .(٥)

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(Calme)

(

(6) .



(٥) Micro – perforated polycarbonate (٣)



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(Litracon) ( )  
(ξ) .  
(Luminous ( ) concrete)

.(6)

(°) (Λ).



(¶) (Litracon)

**Concrete with glass fibers**  
(Dream Design)

(ξ)



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(١٤)

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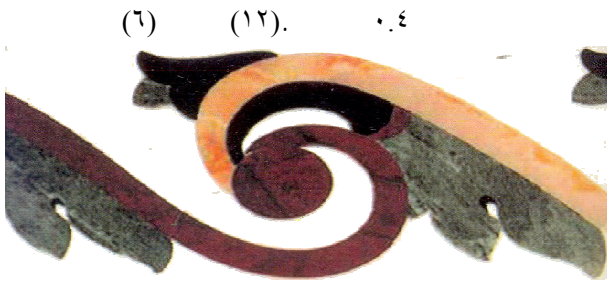
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(Renaissance, Art deco, Art nouveau...)

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(Water jet)



(6)

) Water jet

:(6)

(Borit)

(6)

(6)



(\*) (

) Water jet

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( )

(Animation)

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(١٣) Audi : (١٤)

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Accessories

(Sevax)

(Spider System)

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(Oliver System)

(Automatic

Doors)

(16)



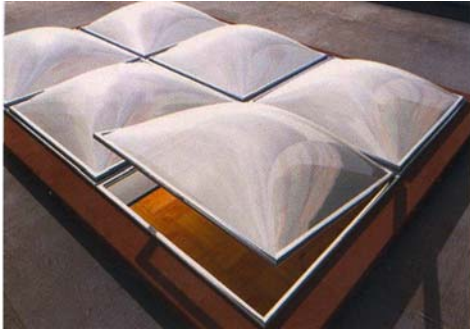
.(14)

Spider System

(16)

.(9)

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(9) 19.0x19.0

:(8)

(Herzog and de

(Prada Epicenter)

Meuron)



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**Boutique Prada Epicenter, by Herzog & de Meuron, Tokyo**

(Details)

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( transparent)

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(١٣)

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Relief

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( ) ( )  
" PVC (Carlos Miele)

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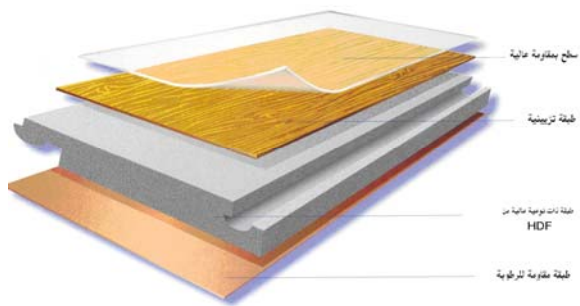
(1^) (1^)



**Boutique Carlos Miele, By Asymptot, NEW  
(1^) YORK**

(1^)

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(١) Balterio

HDF

:(١٠)

PVC Polyvinyl

(chloride )

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(11) (10) .



**BERRY FLOOR**

**GRANITE**

**HDF**

**(11)**

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( Stamp Crete)

:

...(Zydrit)

(١٢)

(Polyvinyl chloride) PVC

(PVC)



(٧)

(Recycle)

(١٢)

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ألواح HDF ) High

(Medium density fiberboard ) MDF ( denisty fiberbord

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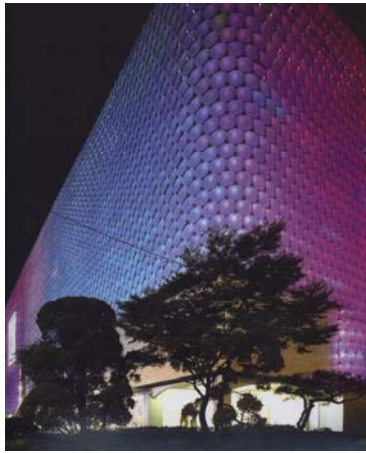
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(Macrolux) (daulux)

(Polycarbonate)

۲۱۳ × ۵۸.

UV



(12)

**Galleria Hall West, by Van Berkel + Bos, Seoul(1^)**

(Macrolux)

2..

PC ( )

(7). (A/A) ( )

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(joins)



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(18)

**Boutique Issey Miyake Tribeca, Frank Gehry, New York**

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:Crystal Palace •

(BUILDEX) •

( Laminated class ) •

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(660)

(V e)

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(Bullet proof) : •

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(٢٠×٢٠)

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(٣٠×٣٠)

(.....)

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:(Water jet)

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(٣٨٠٠)

MDF (Medium

الواح ( High Density Fiberboard) HDF

Density Fiberboard)

(Interlam)

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:(Luminous Concrete) •

:(Zydrit) •

(... )

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Zydrit

(linoleum )

Zydrit

( Zydrit )

:(Iridium) •

( ).

:(Stamp Crete) •

: Jacques Herzog and Pierre De Meuron •

Basel 1900



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5. [www.buildexonline.com](http://www.buildexonline.com)
6. [www.materia.nl](http://www.materia.nl)
7. [www.balterio.com](http://www.balterio.com)
8. [www.stoneworksofart.com](http://www.stoneworksofart.com)
9. [www.wordglassimports.com](http://www.wordglassimports.com)
10. [www.keysgranite.com](http://www.keysgranite.com)
11. [www.berryfloor.com](http://www.berryfloor.com)
12. [www.swwaterjet.com](http://www.swwaterjet.com)

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13. Zijlstra Els – Material skills, (evolution of materials), Puplischer: material, 2005.
14. Kwang young jounge- Interior Detail 5 exhibition published by Arch world 2004.
15. Chen Cillang - Hotels of the new Millennium 2004.
16. Broto Carles - New shop design, Links Books 2005.
17. Bingham Neil- The new boutique, page one publishing private Limited, 2005.
18. Broto Carles- Shopping Malls, 2005.