ORAC

Product data sheets

Contact

Head Office
ORAC nv - Biekorfstraat 32
8400 Ostend, Belgium
+32 59 803252
info@oracdecor.com
www.oracdecor.com

Country Contacts

benelux@oracdecor.com
deutschland@oracdecor.com
czechia@oracdecor.com
eesti@oracdecor.com
export.cs@oracdecor.com
france@oracdecor.com
ireland@oracdecor.com
italia@oracdecor.com
latvija@oracdecor.com
lietuva@oracdecor.com
oesterreich@oracdecor.com
polska@oracdecor.com
romania@oracdecor.com
slovakia@oracdecor.com
spain@oracdecor.com
switzerland@oracdecor.com
uk@oracdecor.com

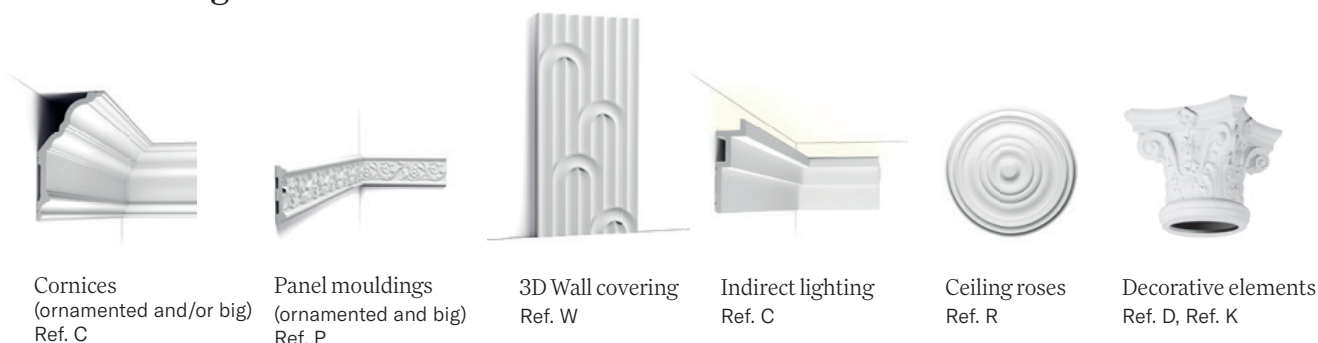**Contact for product safety issues:** nico.wynthein@oracdecor.com

Disclaimer

Purotouch®

A high-quality, high-density polyurethane that allows fine details, made in the EU, designed for indoor use.

Product range

Cornices (ornamented and/or big) Ref. C	Panel mouldings (ornamented and big) Ref. P	3D Wall covering Ref. W	Indirect lighting Ref. C	Ceiling roses Ref. R	Decorative elements Ref. D, Ref. K

Main characteristics

- Durable and long-lasting material
- Sharp detailed designs with deep relief potential
- Extensive range of flexible products available (ref nr. + F)
- Water resistant
- Resistant to most common cleaning detergents
- Primed and paintable. Only UV stable after final painting
- Easy installation:
  – Installation guides available per product range
  – Very easy to cut
  – V-Fix (groove for guiding the glue nozzle)
  – Can be sanded to obtain a perfect seamless finish

Further technical information

- Composition: polyurethane foamed with water as a blowing agent; the polyurethane mixture consist of minimum 10% biobased content (origin sugar beet and sugarcane).
- Dimensionally stable if correctly installed according to the instructions and the use of the recommended DecoFix adhesives.
- Heat resistant up to max 65°C
- Standard not flame retardant (see chapter 'Fire retardancy', page 3)
- Resistant to splitting
- Termite resistant
- Water absorption after 24h : <0,1%
- Mechanical properties:

	Cornice	Panel moulding	3D Wall covering	Indirect lighting	Ceiling roses	Deco elements
Shore D Hardness	> 27	> 32	> 38	> 27	>32	> 32
Density (g/l)	180-210	200-230	230-270	180-210	200-230	220-400

Sustainability

- Foamed with water as blowing agent.
- Renewable content: contains 10-11% biobased material.
- End-of-life disposal: today still incinerated with heat recuperation.
- Packaging cardboard boxes made from over 90% recycled materials.
- Non-toxic composition: free of asbestos, cyanides and formaldehyde, CFC and PFAS.

Life Cycle Assessment (LCA)

- LCA Impact: assessed per kg of product ; a detailed environmental footprint per product available upon request.
- Global Warming Potential (GWP): measured per kg of product ; a detailed GWP per product available upon request.
- Standards compliance with ISO14040, ISO14044, EN15804+A2.
- Internal LCA document available upon request.
- Full Carbon Footprint : 3,173 kg CO_2 eq./kg Purotouch® product.

Fire retardancy (FR)

- Purotouch® is certified for it's fire retardancy performance; the performance is depending on the percentage of each wall that is covered with products:
  - Purotouch® reaches a Bs2d0 certification for up to 25% of wall coverage
  - Purotouch® achieves a Cs2d0 certification for up to 70% of wall coverage
- Installation: Use only FDP700 DecoFix Power adhesive. Follow official installation instructions.
- Orac can supply FR treated products according to the specifications mentioned on the certificate.
- A post-treatment with an FR coating on-site by the installer is possible. Please contact us to obtain advise on what coating to use and how to apply it to stay within the validity of the certification.

Acoustic performance

- Purotouch® products obtained a Class E as absorption Class.
- $Alpha_w$ = 0,15

Insulation properties

- Heat Conductivity Lambda value: 38 mW/mK

Painting and maintenance

- Painting: Our Purotouch® products have a matte primed surface for smooth painting and excellent adhesion. UV-stable only after final painting. Use water-based paint or test alternatives.
  Orac is not liable for post-manipulation results. Always follow the instructions of the finishing paint used
- Able to repaint endlessly and fix imperfections with our FL300 DecoFiller.
- Maintenance and care: Resistant to most common cleaning detergents and moisture.

Environmental certification

- All products hold a VOC A+-label
- Orac is ISO 14001 certified
- Orac is ISO 45001 certified
- Orac is ISCC PLUS certified

INDOOR VOC INHALATION RISK *

A+
A+ A B C

Purotouch®: A+ VOC 0%

Statement on product conformity

Our products are not classified as building products; there is also no harmonized norm that we need to follow. Therefore we are legally not allowed to issue a CE conformity declaration.

Duropolymer®

Extruded, impact-resistant polymer made from high-density polystyrene, made in the EU, designed for indoor use.

Product range

Cornices Compact design lighting Ref. CX	Panel mouldings Ref. PX	Skirting boards Ref. SX	3D Wall covering Ref. WX	Ledge portfolio Ref. CX	Deco elements Ref. DX

Main characteristics

- Durable and long-lasting materials: shock and impact resistant
- Sustainable material composition: low environmental impact and 100% recyclable
  (mainly through waste collection points)
- Water resistant
- Primed and paintable. Only UV stable after final painting
- Easy installation:
  – Installation guides available per product range
  – Very easy to cut
  – V-Fix (groove for guiding the glue nozzle)
  – Can be sanded to obtain a perfect seamless finish

Further technical information

- Composition: Polymer polystyrene (>95%) (Mix of virgin, up to 60% recycled and up to 40% plant-based polymers)
- Dimensionally stable if correctly installed according to the instructions and the use of the recommended DecoFix adhesives
- Heat resistant up to max 65°C
- Standard not flame retardant (see chapter 'Fire retardancy', page 5)
- Resistant to splitting.
- Termite resistant
- Mechanical properties:

	Cornice	Panel moulding	Skirting boards	3D Wall covering	Ledge portfolio	Deco elements
Shore D Hardness	> 27	> 55	> 55	> 55	>55	> 55
Density (g/l)	220-260	350-420	300-420	300-340	300-340	350-420
Knock/impact resistance	N.A.	3-5J	>5J	>5J	>5J	3-5J
Scratch resistance	N.A.	>5N	>5N	>7N	>7N	>5N

Sustainability

- 100% Recyclable
- Renewable content: See table below for details. Composition includes plant-based materials, post-industrial, and post-consumer waste streams.
- End-of-life disposal: Can be disposed as hard plastics fraction within the waste collection points
- Packaging cardboard boxes made from over 90% recycled materials.
- Non-toxic composition: free of asbestos, cyanides and formaldehyde, CFC and PFAS

	Cornice	Panel moulding	Skirting boards	3D Wall covering	Ledge portfolio	Deco elements
Renewable content *	0-10%	5-15%	20-50%	100%	40-60%	5-15%

* Depending on the availability of materials on the market – this is why a range is given and not an exact figure; technology is ready to scale-up

Life Cycle Assessment (LCA)

- LCA Impact: assessed per kg of product ; a detailed environmental footprint per product available upon request
- Global Warming Potential (GWP): measured per kg of product ; a detailed GWP per product available upon request
- Standards compliance with ISO14040, ISO14044, EN15804+A2
- Internal LCA document available upon request.
- Carbon Footprint info in below table

	Cornice	Panel moulding	Skirting boards	3D Wall covering	Ledge portfolio	Deco elements
Full Carbon Footprint in kg CO_2 eq./kg product	1,111	1,834	1,630	0,155	1,630	1,834

Fire retardancy (FR)

- Duropolymer® is Bs2d0 certified for it's fire retardancy performance, valid for up to ±15% wall coverage per wall.
- Installation: Use FDP700 DecoFix Power adhesive and FF900 DecoFire Kit sealer.
  Follow official installation instructions.
- Not compatible with 3D Duropolymer® Wall Coverings (WX family).
  Fire classification is based on product weight, not size.
- For project-specific certification, we have developed a fire impact calculator.
  Contact us for details, if you want a calculation based validation for your specific project (see first page)
- Orac can supply FR treated products according to the specifications mentioned on the certificate
- A post-treatment with an FR coating on-site by the installer is possible. Please contact us to obtain advise on what coating to use and how to apply it to stay within the validity of the certification

Acoustic performance

- Duropolymer® products obtained a Class E as absorption Class.
- $Alpha_w$ = 0,15

Insulation properties
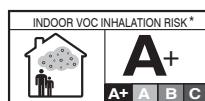
• Heat Conductivity - Lambda value in mW/mK

	Cornice	Panel moulding	Skirting boards	3D Wall covering	Ledge portfolio	Deco elements
Heat conductivity	32	54	51	51	51	54

Painting and maintenance

• Painting: Our Duropolymer® products have a matte primed surface for smooth painting and excellent adhesion.
> - UV-stable only after final painting.
> - Use water-based paint or test alternatives.
> - Orac is not liable for post-manipulation results.
> - Always follow the instructions of the finishing paint used
• Able to repaint endlessly and fix imperfections with our FL300 DecoFiller.
• Maintenance and care: Resistant to most common cleaning detergents and moisture.

Environmental certification

• All products hold a VOC A+-label
• Orac is ISO 14001 certified
• Orac is ISO 45001 certified
• Orac is ISCC PLUS certified

INDOOR VOC INHALATION RISK *

A+

A+ A B C

Duropolymer®: A+ VOC 0%

Statement on product conformity

Our products are not classified as building products; there is also no harmonized norm that we need to follow. Therefore we are legally not allowed to issue a CE conformity declaration.

Flex

A high-quality, moulded high-density flexible polyurethane product range, made in the EU, designed for indoor use.

Product range

Significant range of the Duropolymer® and Purotouch® are available in a flexible version. You can recognize them by the additional F at the end of the product code:

Cornices	Panel mouldings	Skirting boards	3D Wall covering	Indirect lighting
Ref. C+F - CX+F	Ref. P+F - PX+F	Ref. SX+F	Ref. W+F - WX+F	Ref. C+F - CX+F

Main characteristics

- Flexible material for bending in various directions, for creative applications. See page 9
- Extensive range of flexible products available (ref nr. + F)
- Perfect match to the rigid version (even for 3D Wall Panels in both horizontal and vertical direction)
- Durable and long-lasting materials
- Water resistant
- Sharp detailed designs with deep relief potential
- Resistant to most common cleaning detergents
- Primed and paintable. Only UV stable after final painting
- Easy installation:
  – Installation guide available
  – Very easy to cut
  – V-Fix (groove for guiding the glue nozzle)
  – Can be sanded to obtain a perfect seamless finish

Further technical information

- Composition: polyurethane foamed with water as a blowing agent;
- Dimensionally stable if correctly installed according to the instructions and the use of the recommended DecoFix adhesives
- Heat resistant up to max 65°C
- Not flame retardant.
- Resistant to splitting.
- Termite resistant
- Water absorption after 24h : <0,1%
- Shore A hardness > 45
- Density 300-350 g/l

Pliability

See page 9 for the minimum radiuses that can be applied for each existing F-reference.

Sustainability

- Foamed with water as blowing agent.
- End-of-life disposal: today still incinerated with heat recuperation.
- Packaging cardboard boxes made from over 90% recycled materials.
- Non-toxic composition: free of asbestos, cyanides and formaldehyde, CFC and PFAS.

Life Cycle Assessment (LCA)

- LCA Impact: assessed per kg of product ; a detailed environmental footprint per product available upon request.
- Global Warming Potential (GWP): measured per kg of product ; a detailed GWP per product available upon request.
- Standards compliance with ISO14040, ISO14044, EN15804+A2.
- Internal LCA document available upon request.
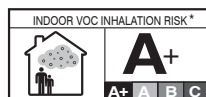- Full Carbon Footprint : 3,119 kg CO2 eq./kg Purotouch® product.

Fire retardancy (FR)

- At the moment Orac Flex cannot be provided with an improved fire retarding behavior.

Painting and maintenance

- Painting: Our products have a matte primed surface for smooth painting and excellent adhesion.
  UV-stable only after final painting. We recommend to use a paint with increased elasticity properties.
  Painting after installation to obtain the best possible finish. Always follow the instructions of the finishing paint
  used. Orac is not liable for post-manipulation results.
- Able to repaint endlessly and fix imperfections with our FL300 DecoFiller.
- Maintenance and care: Resistant to most common cleaning detergents and moisture.

Environmental certification

- All products hold a VOC A+-label
- Orac is ISO 14001 certified
- Orac is ISO 45001 certified
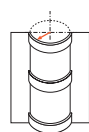- Orac is ISCC PLUS certified

INDOOR VOC INHALATION RISK *

A+

A+ A B C

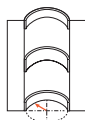Orac Flex: A+ VOC 0%

Statement on product conformity

Our product are not classified as building products; there is also no harmonized norm that we need to follow.
Therefore we are legally not allowed issue a CE conformity declaration.

Pliability - overview radius of bending

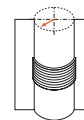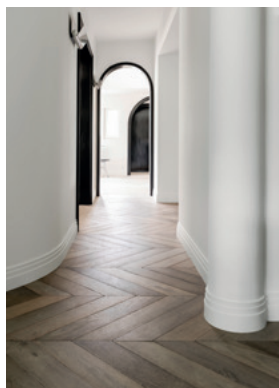Please consult the table below to verify the minimum radiuses that can be applied.

R min.	R min.	R* min.		R min.	R** min	R** min

Flex radius	R min. (cm)	R* min. (cm)
C211F	250	
C213F	280	
C215F	160	
C217F	380	
C220F	400	
C230F	150	
C240F	270	
C250F	70	
C321F	140	
C333F	300	
C334F	380	
C339F	380	
C341F	400	
C373F	100	
C901F	600	
C902F	600	

Flex radius	R min. (cm)	R* min. (cm)
CX100F	200	
CX106F	360	
CX109F	160	
CX110F	180	
CX123F	280	
CX124F	160	
CX127F	240	
CX188F	110	
CX189F	90	
CX190F	30	130
CX199F	200	

Flex radius	R min. (cm)	R* min. (cm)
SX104F	40	
SX105F	30	
SX118F	40	
SX137F	40	
SX138F	40	
SX155F	30	
SX157F	35	260
SX162F	20	80
SX163F	35	
SX165F	40	
SX172F	35	
SX173F	45	
SX180F	45	
SX182F	35	100
SX183F	40	
SX184F	45	
SX187F	40	
SX194F	25	80
SX195F	30	
SX207F	40	

Flex radius	R min. (cm)	R* min. (cm)
P3020F	50	180
P4020F	40	200
P4025F	70	
P5021F	20	70
P7070F	30	230
P8020F	40	130
P8030F	20	70
P8040F	30	
P8050F	80	200
P9010F	40	310
P9050F	20	60
P9900F	20	250
PX103F	20	80
PX120F	30	110
PX144F	20	220
PX175F	30	80
PX198F	70	
PX201F	30	80
PX202F	60	150
PX209F	20	70
DX174F	60	300

Flex radius	R min. (cm)	R** min. (cm)
W108F	30	40
W109F	30	40
W110F	30	40
W111F	30	40
W114F	30	40
W116F	30	40
W119F	30	40
W214F	30	40
WX205F	30	40
WX210F	30	40
WX211F	30	40
WX213F	30	40
WX218F	30	40

R min.

SX180F | SX180

R* min.

PX103F | PX103 | PX103A | C338B

R* min.

P9010F | P9010

R** min

W110F | W110

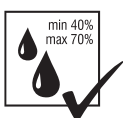# Storage and installation all materials

Suitable surfaces

Indoor use only. Apply only to clean, dry, dust- and grease-free surfaces.
Walls and ceilings must be flat for smooth installation. Sand and wash before applying.

Storage & conditioning

Store profiles flat to prevent bending—do not store vertically. Maintain temperature between 5–35 °C
and humidity at 40–70%. Allow products to acclimate at room temperature for 24 hours before installation.

Tools

Orac offers a set of tools to help you obtaining a perfect installation; if specific questions please contact us
(see contact info on first page)

**The full guarantee is only valid when DecoFix adhesives are used
and the installation instructions are followed.**

Designed for interiors

Orac products (including Decofix adhesives) are specifically designed for indoor use, where they retain their
shape, aesthetics, and performance over time.
To maintain their quality and finish, we recommend using them exclusively indoors. As outdoor conditions
can alter their properties, we cannot guarantee results for outdoor use. If you have any questions, our team
is available to help.

Please consult our installation guides & videos on our website

Have a look at all our installation guides and videos online

guides | videos

See which glues to use and calculate the amount you need
for the perfect installation

glue calculator