

BITUMINOUS MEMBRANES

for waterproofing









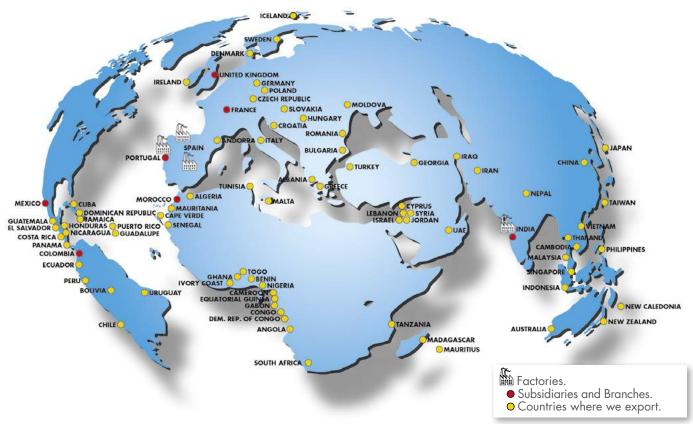
Skylights



WE EXPORT TO OVER 70 COUNTRIES ON 5 CONTINENTS

Our products have BBA and CE certifications that endorse danosa as compliant with the most demanding production standards.

danosa is the market leader in Spain and sixth across Europe. We have factories in Spain, Portugal and India and subsidiaries in France, Portugal, Morocco, Colombia, México, Uk and Asia.





BITUMINOUS WATERPROOFING

Asphaltic membranes for flat, pitched and green roofs solutions.



SYNTHETIC WATERPROOFING

Synthetic membranes for roofs, residential buildings and foot traffic areas.



ACOUSTIC AND THERMAL INSULATION

Acoustic and thermal insulation materials for construction, public premises, auditoriums, machine rooms, etc.



DRAINAGES AND GEOTEXTILES

Products and solutions for construction and civil works, drainage of underground structures, separation of heterogeneous layers and water filtrations.



DANOSA SKYLIGHT

Skylights and aerators for smoke ventilation for natural lighting, ventilation and access to any type of roofing, achieving significant reductions in power consumption.





PRODUCTION LINES AND ANNUAL PRODUCTION CAPACITIES

- Bituminous waterproofing: 40 mill. m²/year.
- Synthetic waterproofing: 3 mill. m²/year.
- Acoustic insulation: 6 mill. m²/year.
- Anti-impact Sheets: 5 mill. m²/year.
- Danolosas: 300.000 m²/year.

- Drainage: 10 mill. m²/year.
- Geotextiles: 25 mill. m²/year.
- Skylights: 10.000 units/year.
- Thermal insulation: 400.000 m³





LOGISTIC SERVICE

danosa offers a fast and efficient service, from the receipt of the order, to the delivery at final destination with a 13,000 m² logistic center, and an unique robotic warehouse.

Advanced logistics.

- Quality service.
- Handling capacity: 80 pallets per hour.
- Storage capacity: 7,000 pallets.
- Control processes.
- Competitiveness.





I+D+I LABORATORY

danosa earmarks significant investments for I+D+I, and has one of the best equipped laboratories in Europe, in which we can carry out testing of raw materials, finished products and constructive solutions.

ENVIRONMENT

danosa is aware of environment fragility, and therefore all their processes are subject to environmental regulations. Its wide range of products is designed for taking advantage of energy, sunlight, and the thermal and acoustic comfort.

TRAINING

danosa training courses enjoy a high recognition and always provide up-to-date information in legislation, solutions and implementation areas.

Each year more than 2,000 professionals benefit from theoretical-practice training courses taught by **danosa**.

WEB

danosa website has technical documentation about all products and solutions.

This documentation is adapted to international markets and translated into several languages.

Also, it incorporates the service called: "Design your Project"

MEMBRANE FINISHES

PLASTIC/TEXTILE FINISHES



POLYETHYLENE FILM FINISHED



GEOTEXTILE FINISHED

MINERAL FINISHES



BLACK GREY MINERAL



LIGHT GREY MINERAL



GREEN MINERAL



RED MINERAL



WHITE MINERAL

ALUMINIUM FINISHES





ALUMINIUM FOIL

SAND FINISH



SAND

BITUMEN

 APP modified bitumen: Bitumen modified with polymers, it reaches an important improvement

in its thermal and durability properties: plasticity,

- **SBS modified bitumen:** Bitumen modified with elastomers, it reaches an important improvement

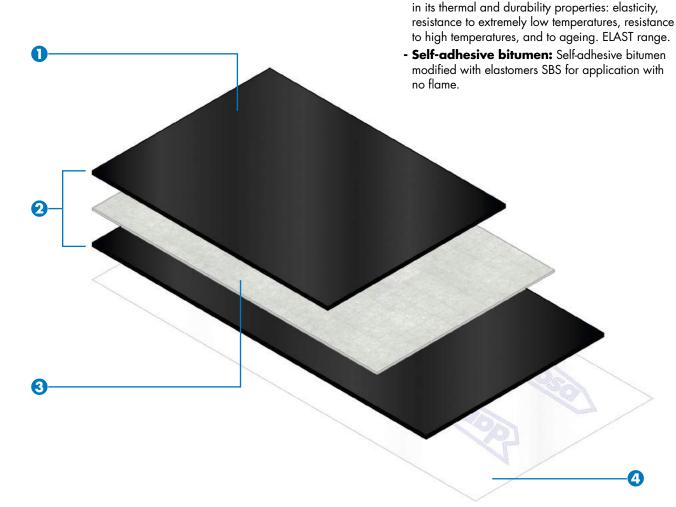
to high temperatures, and to ageing.

IMPERDAN/POL ranges.

resistance to extremely low temperatures, resistance

1 FINISH

- Polyethylene film: Non-stick torchable film.
- Geotextile: Anti puncture geotextile.
- Sand: Non-stick finish.
- Mineral Slates: self-protection with slate granules (black, light grey, green, red, white).
- Aluminium: aluminium foil's self-protection.



3 REINFORCEMENT

- **Polyester felt:** provides stronger resistance against puncture (15/20 kg.) and tearing.
- Reinforced and stabilized polyester felt: combines polyester's puncture (15/20 kg.) and tearing resistance with fiber glass' good dimensional stability.
- Fiber glass: provides optimal dimensional stability.
- Aluminium: often used as vapour barrier.

4 LOWER SURFACE

 Polyethylene film: Non-stick torchable film o releasable film.

DANOSA QUALITY





















Our quality speaks for itself, with over 500 million m² of bituminous sheets manufactured since 1964, making us the Spanish market leader and ranking the 6th in Europe.

Danosa's bituminous membranes meet CE Marking standards 1035-CPR-ES044104.

ADVANTAGES AND BENEFITS

- Proven elastomeric SBS modified bitumen membranes.
- Flexibility at temperatures as low as -15/-20 °C.
- Easy to torch membranes.
- Polyester reinforcement for improved mechanical resistance.
- High tensile strength and elasticity.
- High resistance to static and dynamic puncture.
- Absorbs structural movements.
- Provides superior protection against mechanical damage.
- Very stable.

- Special systems.
 - ESTERDAN 50/GP ELAST GREEN GARDEN or POLYDAN 50/GP ELAST GREEN GARDEN membranes which are root resistant for Green roofs.
 - POLYDAN 48 P PARKING finished in geotextile specially designed for heavy weight traffic. - POLYDAN 4 SBS BASEMENT finished in
- geotextile specially designed for underground basement walls and slabs foundations.

 • Range of 5 mineral colours: dark grey,
- light grey, red, green and white.

Comercial trademark	Thickness (mm.)	Weight (kg/m²)	Reinforcement	Roll (m.)	m² per pallet	Rolls/Pallet		
SAND-COVERED ASPHALTIC SHEETS								
GLASDAN 24 AP ELAST	2,0	2,4	F0	15x1	375	25		
GLASDAN 30 AP ELAST	2,5	3,0	FG	12x1	336	28		
ESTERDAN 30 AP ELAST	2,5	3,0	PY	12x1	336	28		
POLYDAN 180-30 AP ELAST CSTB	2,5	3,0		12x1	336	28		
POLYDAN 180-35 AP ELAST (7×1)	2,5	3,5	PY 180	7x1	252	36		
POLYDAN 180-35 AP ELAST (11x1)	2,5	3,5		11x1	275	25		
PLASTIFIED ASPHALTIC SHEETS								
GLASDAN 2 MM P ELAST G	2,0	2,4		16x1	368	23		
GLASDAN 30 P ELAST 🚓 CSTB 💌 🕫	1,2	1,2	FG	10x1	300	30		
GLASDAN 40 P ELAST	3,3	4,0		10x1	250	25		
ESTERDAN FM 30 P ELAST CSTB DITE	2,5	3,0	RPY	12x1	336	28		
ESTERDAN 30 P ELAST 🚓 CSTB 💌 🐵	2,5	3,0		12x1	336	28		
ESTERDAN 40 P ELAST	3,3	4,0	PY	10x1	250	25		
ESTERDAN 48 P ELAST	4,0	4,8		8x1	200	25		
POLYDAN 180-30 P ELAST EAR CSTB	2,5	3,0		12x1	336	28		
POLYDAN 180-40 P ELAST EAR CSTB	3,5	4,0	PY 180	10x1	250	25		
POLYDAN 180-48 P ELAST	4,0	4,8		8x1	200	25		
GEOTEXTILE FINISHING								
POLYDAN 48 P PARKING	4,0	4,8	DV 100	8x1	184	23		
POLYDAN 4 BASEMENT SBS	4,0	4,8	PY 180	8x1	184	23		
MINERAL SELF-PROTECTED SHEETS								
GLASDAN 40/GP ERF ELAST ESTB ES DITE	2,5(1)	4,0	FG	10x1	250	25		
ESTERDAN PLUS 40/GP ELAST ESTE CSTB DITE	2,5(1)	4,0		10x1	250	25		
ESTERDAN PLUS 50/GP ELAST CSTB DITE	3,5(1)	5,0	RPY	8x1	200	25		
ESTERDAN PLUS 50/GP ELAST GREEN GARDEN	3,5(1)	5,0		8x1	200	25		
POLYDAN 180-50/GP ELAST CSTB	3,5(1)	5,0		8x1	200	25		
POLYDAN 50/GP ELAST. VERT JARDIN (CSTB)	3,5(1)	5,0	PY180	8x1	200	25		
POLYDAN 180-60/GP ELAST CSTB	4,0(1)	5,6		8x1	184	23		
POLYDAN P.F.M. 50/GP ELAST	3,5(1)	5,0	PPV180	8x1	200	25		
POLYDAN P.F.M. 180-60/GP ELAST CSTB DITE	4,0(1)	5,6	RPY180	8x1	184	23		
POLYDAN 60 TF ELAST	4,2(1)	6,0	PY 225	8x1	184	23		
ALUMINIUM SELF-PROTECTED SHEETS								
ASFALDAN ALU EXTRA 20 P ELAST (10X1)	-	2,0		10x1	360	36		
ASFALDAN ALU EXTRA 25 P ELAST (10X1)	-	2,5	NR	10x1	330	33		
ASFALDAN ALU EXTRA 30 P ELAST (10X1)	-	3,0		10x1	300	30		
GLASDAN AL 80 T-35 P ELAST (10×1)	-	3,5	FG	10x1	250	25		
GLASDAN AL 80 T-50 P E	3,5(1)	4,5	16	8x1	200	25		

⁽¹⁾ Thickness measured in overlap. FG: Fiberglass. PY: Polyester. RPY: Reinforced polyester. NR: Non reinforced

ADVANTAGES AND BENEFITS

- Membranes with durable polymer modified APP bitumen.
- Flexibility at temperatures as low as -15/-10 °C.
- Easy to torch membrane.
- Polyester reinforcement for improved mechanical resistance.
- High tensile strength and high elasticity.
- High resistance to static and dynamic puncture.
- Absorbs structural movements.
- Keeps properties over time.

- Provides superior protection against mechanical damage.
- Very stable.
- Special systems.
 - ESTERDAN 50/GP POL GREEN GARDEN membrane which is root resistant for Green roofs.
 - POLYDAN 48 P POL PARKING finished in geotextile specially designed for heavy weight traffic.
- Range of 5 mineral colors: dark grey, light grey, red, green and white.

Comercial trademark	Thickness (mm.)	Weight (kg/m²)	Reinforcement	Roll (m.)	m² per pallet	Rolls/Pallet
SAND-COVERED ASPHALTIC SHEETS						
POLYDAN 180-48 AP CANALES	2,0	2,4	PY 180	15x1	375	25
PLASTIFIED ASPHALTIC SHEETS						
ASFALDAN R TIPO 3 P POL	-	3,0	AL	12x1	300	25
GLASDAN 2,5 P POL	2,5	-		12x1	336	28
GLASDAN 30 P POL 🔉 🐵	2,5	3,0	FG	12x1	336	28
GLASDAN 40 P POL	3,3	4,0		10x1	250	28
ESTERDAN 2,5 P POL	2,5	-		12x1	336	25
ESTERDAN FM 30 P POL DITE	2,5	3,0		12x1	336	25
ESTERDAN 30 P POL 🔌	2,5	3,0	RPY	12x1	336	28
ESTERDAN 40 P POL 🗮	3,3	4,0		10x1	250	25
ESTERDAN 48 P POL 🗽	4,0	4,8		8x1	200	25
POLYDAN 180-2.5 P POL	2,5	-		12x1	336	28
POLYDAN 180-3.5 P POL	3,5	-	PY 180	10x1	250	25
POLYDAN 180-48 P POL	4,0	4,8		8x1	200	25
GEOTEXTILE FINISHING						
POLYDAN 48 P POL PARKING	4,0	4,8	PY 180	8x1	184	23
MINERAL SELF-PROTECTED SHEETS						
GLASDAN 40/GP POL DITE	2,5(1)	4,0	FG	10x1	250	25
ESTERDAN 40/GP POL DITE	2,5(1)	4,0		10x1	250	25
ESTERDAN 50/GP POL DITE	3,5(1)	5,0	RPY	8x1	200	25
ESTERDAN 50/GP POL GREEN GARDEN	3,5(1)	5,0		8x1	200	25
POLYDAN 180-3.5/GP POL	3,5(1)	-	PY 180	8x1	200	25
POLYDAN 180-60/GP POL	4,0(1)	5,6	FT IOU	8x1	184	23
POLYDAN 60 TF P POL	4,2(1)	6,0	PY 225	8x1	184	23

(1) Thickness measured in overlap. FG: Fiberglass. PY: Polyester. RPY: Reinforced polyester





ADVANTAGES AND BENEFITS

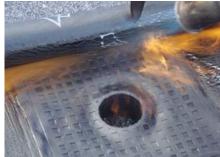
- Membranes with durable polymer modified APP bitumen.
- Flexibility at temperatures as low as -5 °C.
- Easy to torch membrane.
- Polyester reinforcements.
- High elasticity.
- Resistance to static and dynamic puncture.

- Keeps properties over time.
- Provides superior protection against mechanical damage.
- Very stable.
- Range of 5 mineral colors: dark grey, light grey, red, green and white.

Comercial trademark	Thickness (mm.)	Weight (kg/m²)	Reinforcement	Roll (m.)	m²/pallet	Rolls/Pallet
SAND-COVERED ASPHALTIC SHEETS						
IMPERDAN FV 3 MM AP	3,0	-	FG	10x1	250	25
IMPERDAN FP 30 AP	2,5	3,0		10x1	280	28
IMPERDAN FP 3 MM AP	3,0		PY	10x1	250	25
IMPERDAN FP 48 AP	4,0	4,8		10x1	200	20
PLASTIFIED ASPHALTIC SHEETS						
GLASDAN 20 P	-	2,0		20x1	500	25
IMPERDAN FV 2 MM P	2,0	-		16x1	368	23
IMPERDAN FV 3 MM P	3,0	-	FG	10x1	250	25
IMPERDAN FV 20 P	-	2,0	16	16x1	480	30
IMPERDAN FV 30 P	2,5	3,0		10x1	300	30
IMPERDAN FV 40 P	3,3	4,0		10x1	230	23
IMPERDAN FP 2 MM P	2,0	-	PY	10x1	360	36
IMPERDAN FP 3 MM P	3,0	-		10x1	250	25
IMPERDAN FP 30 P	2,5	3,0		10x1	300	30
IMPERDAN FP 40 P	3,3	4,0		10x1	230	23
IMPERDAN FP 48 P	4,0	4,8		10x1	200	20
IMPERDAN FP 180-40 P	3,3	4,0	PY 180	10x1	230	23
MINERAL SELF-PROTECTED SHEETS						
IMPERDAN FV 40/GP	2,5(1)	4,0	FG	10x1	230	23
IMPERDAN FP 40/GP	2,5(1)	4,0		10x1	230	23
IMPERDAN FP 45/GP	3,0(1)	4,5	RPY	10x1	230	23
IMPERDAN FP 50/GP	3,5(1)	5,0		10x1	200	20
IMPERDAN FP 4 MM (OV) GP GRIS CLARO	4,0(1)	5,6		10x1	160	16
IMPERDAN FP 4 MM GP	4,0(2)	-		10x1	200	20
ALUMINIUM SELF-PROTECTED SHEETS						
GLASDAN AL-80 TIPO 30 P PLAST	-	3,0	FG	10x1	300	30

⁽¹⁾ Thickness measured in overlap. (2) Thickness measured in granule. FG: Fiberglass. PY: Polyester. RPY: Reinforced polyester







SELF ADHESIVE RANGE MEMBRANES (SBS MODIFIED BITUMEN RANGE)

ADVANTAGES AND BENEFITS

- Membranes with durable self-adhesive polymer modified SBS bitumen.
- Flexibility at temperatures as low as -15 °C.
- Easy to apply.
- Polyester/fiber glass reinforcements.

- Polyethylene, geotextile, aluminium or aluminiunpolyethylene composite foil finish.
- High elasticity.
- Resistance to static and dynamic puncture.
- Keeps properties over time.

Comercial trademark	Thickness (mm.)	Weight (kg/m²)	Reinforcement	Roll (m.)	m² per pallet	Rolls/Pallet		
PLASTIFIED SELF-ADHESIVE SHEETS								
ASFALDAN 25 P ELAST AUTOAD.	-	2,5	AL+FG*	15x1	375	25		
GLASDAN 30 P ELAST. AUTOAD.	2,5	3,0	FG	12x1	336	28		
ESTERDAN 25 P ELAST. AUTOAD.	2,1	2,5		15x1	375	25		
ESTERDAN 30 P ELAST. AUTOAD.	2,5	3,0	PY	12x1	336	28		
ESTERDAN 30 P ELAST. SEMIAD.	2,5	3,0		12x1	300	25		
ALUMINIUM SELF-PROTECTED SHEETS								
SELF-DAN AL 100	1,2	-	AL	10x1	420	42		
SELF DAN AL 100 PLUS	1,2	-	AL+PET*	10x1	420	42		
ASFALDAN AL-60 T-2 AUTOAD.	2,0	-	AL	10x1	300	30		
NON-REINFORCEMENT SELF-ADHESIVE SHEETS								
SELF-DAN BTM	1,5	-	PO	20x1	500	25		
SELF-DAN PE	1,5	-	HDPE	20x1	500	25		
SELF-DAN PE PLUS	1,5	=	CO HDPE	20x1	500	25		
GEOTEXTILE SELF-ADHESIVE FINISHING								
SELF-DAN SP 2.0	2,0	-	NR	10x1	420	28		
SELF-DAN SP 2.5	2,5	-	PY	8x1	288	36		

FG: Fiberglass. PY: Polyester. AL: Aluminium. HDPE: Polyethylene. CO HDPE: Cross laminated HDPE

SELF ADHESIVE TAPES (SBS MODIFIED BITUMEN RANGE)

ADVANTAGES AND BENEFITS

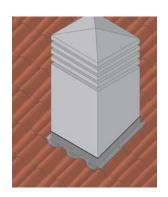
- Tapes with durable self-adhesive polymer modified SBS bitumen.
- Flexibility at temperatures as low as -15 °C.
- Easy to apply.
- Aluminium or aluminiun-polyethylene composite foil finish.
- Elasticity.
- Resistance to static and dynamic puncture.
- Keeps properties over time.
- Range of 3 colors: aluminium, red and grey.

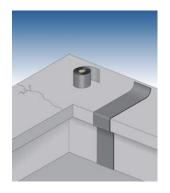
Comercial name	Thickness	Weight	Finishing	Roll	Rolls/box	Rolls/Pallet
SELF-DAN (0.10) ALUMINIUM/GREY/RED	1,2	1,2		10x0,10	12	324
SELF-DAN (0.15) ALUMINIUM/GREY/RED	1,2	1,2	AL	10x0,15	8	216
SELF-DAN (0.30) ALUMINIUM/GREY/RED	1,2	1,2		10x0,30	4	108
SELF-DAN PLUS (0,10) ALUMINIUM	1,2	1,2		10x0,10	12	324
SELF-DAN PLUS (0,15) ALUMINIUM	1,2	1,2	AL+PET*	10x0,15	8	216
SELF-DAN PLUS (0,30) ALUMINIUM	1,2	1,2		10x0,30	4	108

AL: Aluminium. PET:Polyethylene

^{*}Composite.





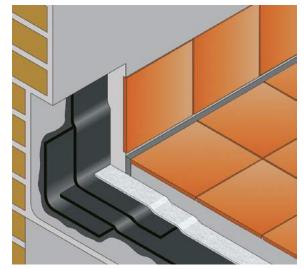




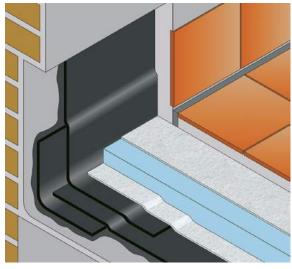
PO: Polyolefin. NR: Non reinforced. PET:Polyethylene

^{*}Composite

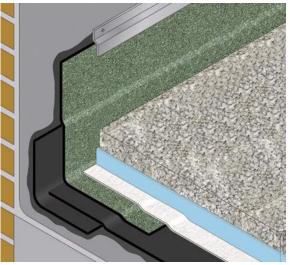
ROOFS



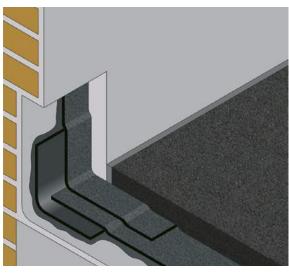
PEDESTRIAN WALKABLE ROOF



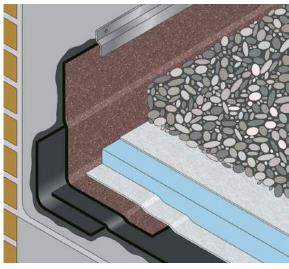
INVERTED PEDESTRIAN WALKABLE ROOF



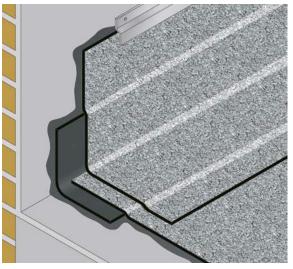
INVERTED PEDESTRIAN WALKABLE ROOF



VEHICULAR TRAFFIC ROOFS

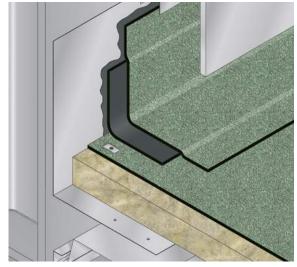


INVERTED NON WALKABLE ROOF

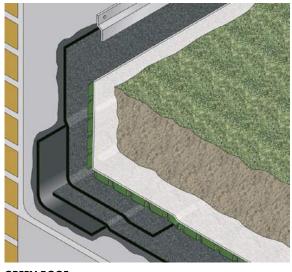


NON WALKABLE ROOF (CONCRETE SUPPORT)

ROOFS

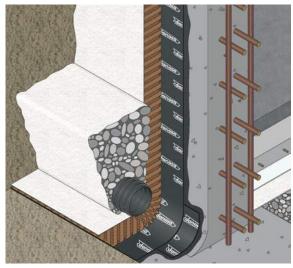


NON WALKABLE ROOF (STEEL SUPPORT)

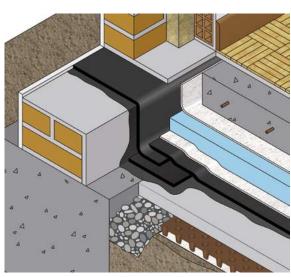


GREEN ROOF

BASEMENTS

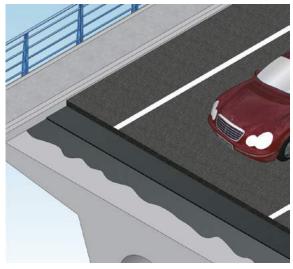


BASEMENT WALLS

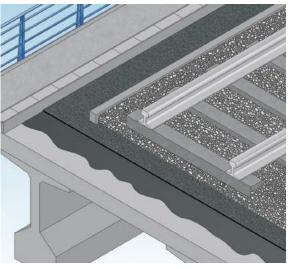


SLABS FOUNDATIONS

CIVIL ENGENEERING WORKS



ROADWAY DECKS



RAILWAY DECKS



PANASONIC FACTORY. Vietnam.



12 AND 14 IFEMA PAVILION. Spain.



FIRA BARCELONA. Spain.



PLENILUNIO MALL. Spain.



RAILWAY STATION IN OVIEDO. Spain.



LA MORALEJA SANITAS HOSPITAL. Spain.



VALENCIA SHOWGROUND. Spain.



MAROC TELECOM RABAT. Morocco.



CAMPBELLTOWN. Australia.



ADOLFO SUÁREZ MADRID BARAJAS AIRPORT. Spain.



MUSEE DE LA MER. France.



AVE CAÑAVERAL RAILWAY BRIDGE. Spain.



BANCO POPULAR HEADQUARTERS. Spain.



AVE TARRAGONA RAILWAY BRIDGE. Spain.



MADRID TOWERS. Spain.





MOROCCO MALL. Morocco



RADISSON BLU DAKAR HOTEL. Senegal.



ISLAZUL MALL . Spain.



HARLEY DAVIDSON INSTALATIONS. France.



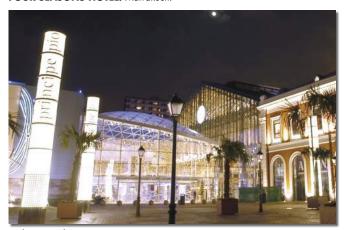
CENTRE FOR EDUCATIONAL TELEVISION & VIDEO PROGRAMME PRODUCTION. Thailand.



SKODA FACTORY. Czech Republic.



FOUR SEASONS HOTEL. Marrakech.



PRÍNCIPE PÍO MALL. España.



NAZARIES BUSINESS & SPA HOTEL. Spain.



PARC DEL FORUM. Spain.



RADISSON BLU MADRID PRADO HOTEL. Spain.



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PEÑAFIEL CASTLE. Spain.

danosa reserves the right to change, without notice, the data reflected in this document.

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