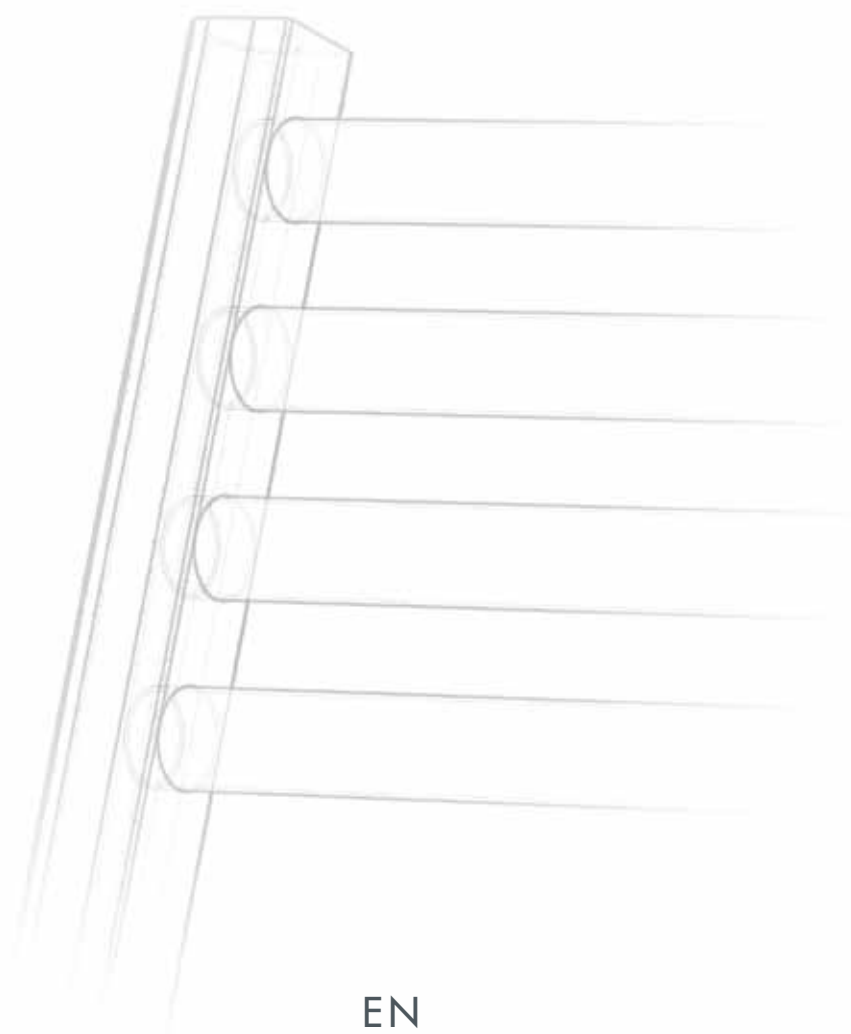


fondital

Atelier collection



EN

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fondital

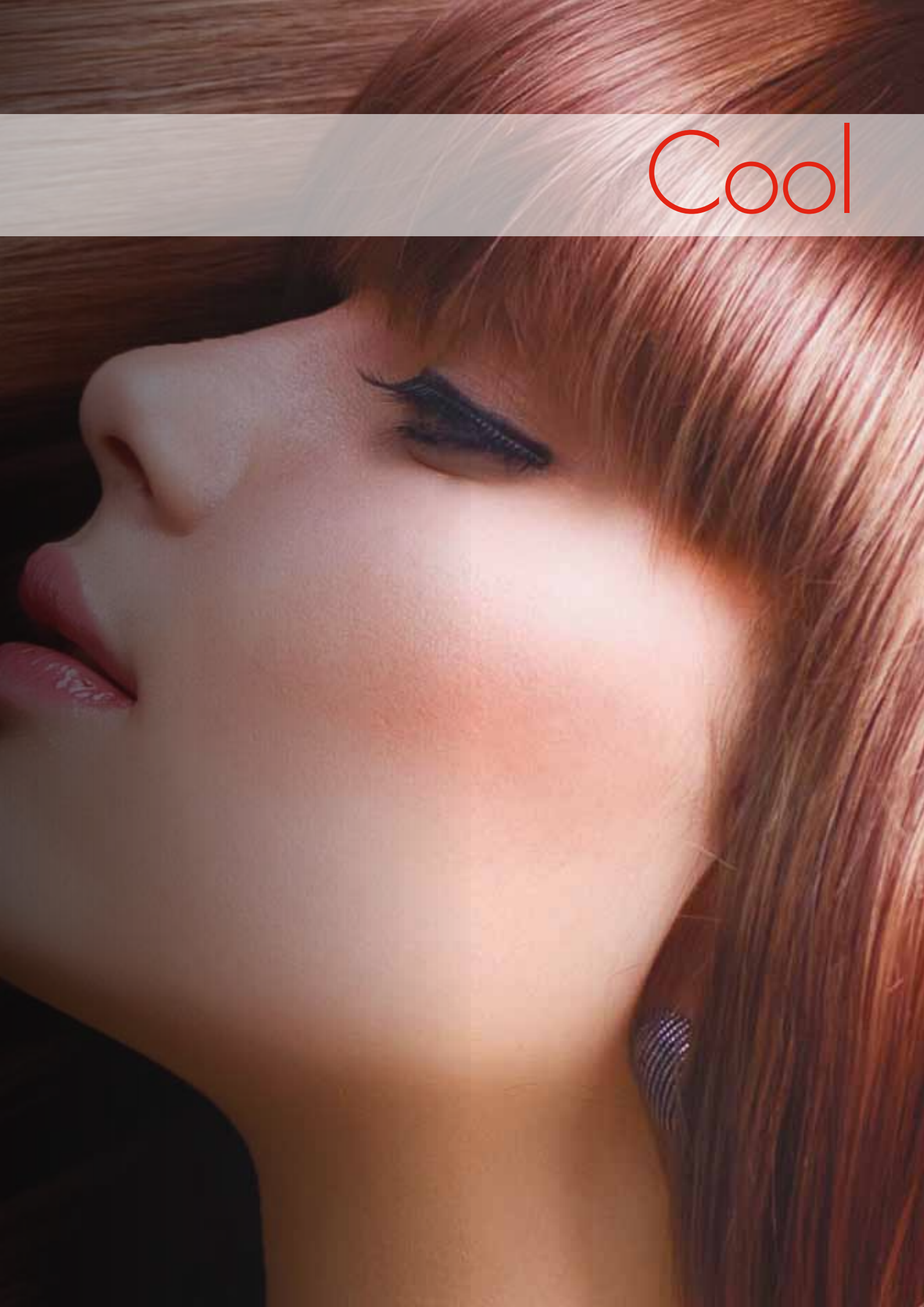
Atelier collection

Fondital is a premium brand of heating systems. Established over 40 years ago, the company has now developed into a well-established worldwide business enterprise. Fondital's new design lines are the top choice for anyone wishing to add a sophisticated touch to their homes with a wide range of finishes, dimensions and colours. The new design radiators combine beautiful appearance and optimal thermal yield into heating solutions that are true works of art. No compromises. Fondital's new design radiators are appealing, warm and 100% recyclable. Don't miss out on this opportunity, find out more about these innovative products.

"Discovery consists of
seeing what everybody
has seen and thinking
what nobody has
thought."

ALBERT SZENT-GYORGYI

Cool



Cool

The *Atelier collection* was designed to meet an increasing commercial demand for functional, sophisticated and high-quality design radiators, with an environmentally friendly approach aimed at minimising consumption and improving environmental sustainability.

The collection features versatile bathroom furnishing solutions available in a wide range of finishes and dimensions: 16 models, available in 24 colours, centre distances between 450 and 600, heights from 858 to 1740 and 2 types of hydraulic connections. The elegant *Atelier collection* offers innovative and patented technical solutions.

"Atelier collection" is elegant, technological and innovative, 100% Made in Italy





Advantages of the product range

- **Made in Italy**
- **12-year** warranty
- **Aleternum** total anticorrosion treatment
- 100%, fully recyclable aluminium
- **16 available models:** heights from 858 to 1740 and centre distances from 450 to 600
- Wide range of colours and finishings
- **Double coating:** durability guaranteed
- **2 types of hydraulic connections:** traditional and central from below
- Patented **assembly system**
- **High mechanical efficiency:** endures a pressure of over 16 bar
- **Easy installation**
- Excellent **quality/price ratio**
- Ideal asset in **low temperature** heating systems



***Aleternum®**

Total anticorrosion treatment

INTRODUCTION



Corrosion is the main cause of malfunction in heating systems. In addition to degrading system components, it significantly reduces heat output over the years, which consequently leads to a greater economic burden.

For instance, in heating systems with cast-iron or steel radiators, the sludge produced by corrosion will settle at the bottom and obstruct radiators and pipes, reducing or completely hindering heat output and resulting in an unbalanced heat distribution.

To prevent the radiator from corroding, Fondital developed Aleternum®, the exclusive resin-based inner surface treatment to protect the radiator's water chamber.

Aleternum® by Fondital opens up a new era of total protection, safety and high output rates for heating systems. Your heating system will always remain as new as day one!

Fondital's Aleternum internal treatment

WHAT IS CORROSION?

✓ Chemical-physical interaction of metal with an aqueous environment resulting in modifications in the metal properties and often leading to loss of functionality of the metal, the environment or the system they operate in.



Metal + Water + Oxidising Agent = Corrosion

There are different types of corrosion, depending on the way metallic parts are affected by it:

✓ general corrosion (or widespread corrosion): when the entire surface area of the material is affected by corrosion;

✓ uniform corrosion: when corrosion affects the entire surface area of the material and causes the same amount of damage at all points of the surface;

✓ localised corrosion: corrosion affects only certain areas of the material; the area affected by corrosion may present different morphologies, such as pits, craters, cavities, pinholes, cracks;

plan view			side view
	Uniform Corrosion – general attack		
	Uniform Corrosion – uniform attack		
	Localised Corrosion		
	Pitting	pinhole	
		craters	
		cavities	
	Stress Corrosion Cracking (SCC)	Simple cracks	
		Branching cracks	
	Erosion corrosion		







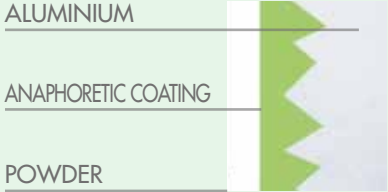









Plus **Aleternum**[®] treatment: Cool model

- 1) TOTAL ANTICORROSION TREATMENT
- 2) IDEAL FOR A BROAD PH RANGE
Steel radiators are attacked by corrosion at pH values under 8.
Cool radiators with Aleternum[®] treatment, instead, can even be used in systems with lower pH values, down to **6.5**.
- 3) NO FORMATION OF HYDROGEN POCKETS (NO GAS)
- 4) PREVENTS THE RADIATOR FROM OBSTRUCTING AND FROM THE RESULTING COLD SPOTS
- 5) LIGHTWEIGHT AND EASY TO INSTALL
- 6) CAN BE INSTALLED IN MIXED SYSTEMS
- 7) 12-YEAR WARRANTY
- 8) PATENTED SYSTEM
- 9) NO SEALS: patented connection system
- 10) NO INTERNAL FITTINGS




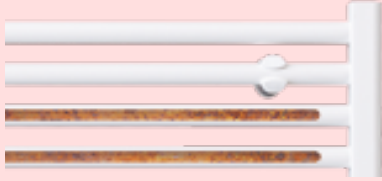













Differences between aluminium and steel

Fondital's Aluminium

 	<p>No formation of external corrosion</p>	<p>EXTERNAL</p>
 	<p>Aleternum * Internal treatment No corrosion Always clean radiator</p>	<p>INTERNAL</p>
 	<p>Always clean system water</p>	<p>SYSTEM</p>
 	<p>Double coating: Anaphoretic coating (anti-corrosion) + Powder coating (external finish)</p>	<p>TYPE OF</p>
 	<p>Patented connections between pipes and angle bars</p>	<p>PATENTED</p>
 	<p>Easy transport and assembly</p>	<p>WEIGHT</p>
 	<p>12 years</p>	<p>WARRANTY</p>
 	<p>Excellent price/quality ratio</p>	<p>QUALITY</p>

Steel (not stainless)

TREATMENT	Possible formation of external rust		
TREATMENT	Formation of rust and sludge Possible system clogging		
WATER	Possible formation of deposits, impurities and sludge		
COATING	Powder coating only (external finish)*		 <div> STEEL AIR POWDER </div>
CONNECTION	?		?
FACTOR	Heavy		
DURATION	From 2 to 5 years*		
PRICE	Lower quality/price ratio		

*only for brands taken into consideration

TECHNICAL SPECIFICATIONS

Cool radiator:

The Cool model is supplied with centre distances from 450 to 600 mm.

The Cool model is supplied with heights from 858 to 1740 mm.

Double hydraulic connection available: traditional and central from below (AC acronym).

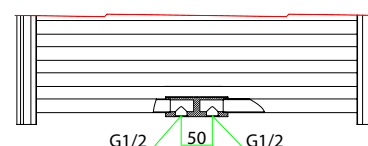
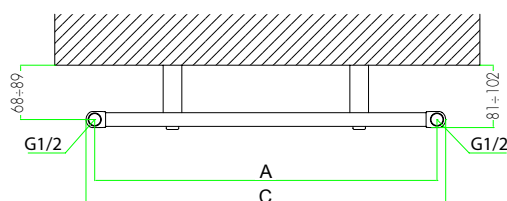
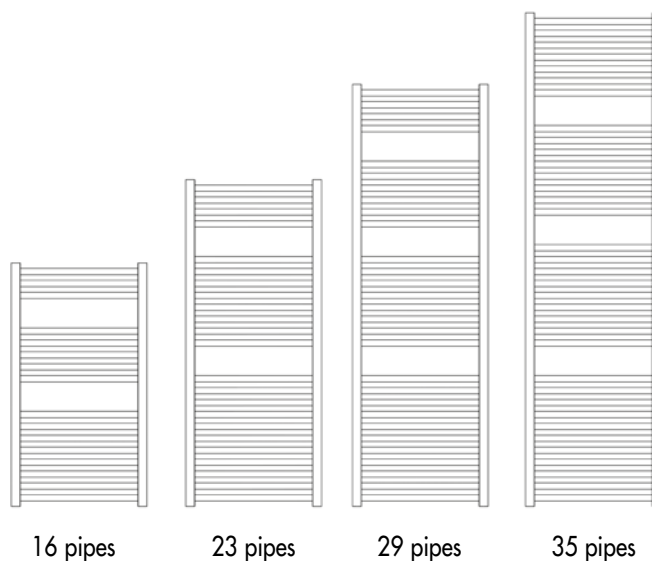
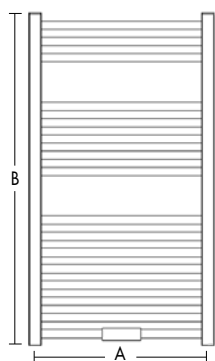
Connections: G 1/2"

Height:

858 - 1152 - 1488 - 1740

Centre distances:

450 - 500 - 550 - 600



Technical specifications

Height	Model	Depth	Centre-to-centre	Width	Water content	Weight	Heat output ΔT 30 K	Heat output ΔT 50 K	Exponent	Coefficient	Price (lateral connection)	Price (central connection, 50 mm)
[B] mm		mm	[A] mm	[C] mm	litres/elem.	kg	W/elem.	W/elem.	n	K_m	€	€
858	COOL 860/450	26	450	478	2.7	3.2	196	370	1.2443	2.8430	97.20	108.00
	COOL 860/500		500	528	2.9	3.4	211	399	1.2468	3.0374		
	COOL 860/550		550	578	3.2	3.6	226	428	1.2492	3.2277		
	COOL 860/600		600	628	3.4	3.7	241	457	1.2517	3.4143		
1152	COOL 1160/450	26	450	478	3.8	4.5	265	502	1.2479	3.8033	109.35	120.15
	COOL 1160/500		500	528	4.1	4.7	288	544	1.2487	4.1156		
	COOL 1160/550		550	578	4.5	4.9	310	587	1.2495	4.4259		
	COOL 1160/600		600	628	4.9	5.1	333	630	1.2502	4.7339		
1488	COOL 1490/450	26	450	478	4.8	5.7	347	658	1.2520	4.9057	133.65	144.45
	COOL 1490/500		500	528	5.2	5.9	378	717	1.2509	5.3720		
	COOL 1490/550		550	578	5.7	6.3	410	777	1.2509	5.8423		
	COOL 1490/600		600	628	6.1	6.5	441	835	1.2486	6.3166		
1740	COOL 1740/450	26	450	478	5.7	6.7	413	778	1.2406	6.0741	145.80	156.60
	COOL 1740/500		500	528	6.3	7.0	451	850	1.2408	6.6300		
	COOL 1740/550		550	578	6.8	7.3	489	922	1.2410	7.1851		
	COOL 1740/600		600	628	7.5	7.6	527	994	1.2412	7.7391		

Maximum working pressure: 1600 KPa (16 bar)

Characteristic equation: $\Phi = K_m \Delta T^n$, reference EN 442-1

Stated heat output values, expressed at ΔT 50K, comply with European Standard EN 442-2 (for a white radiator) and are certified by the MRT Lab of the Milan Polytechnic, notified body no. 1695

Internal anti-corrosive treatment Aleternum included in the price on all models.

A77 Fastening kit and reductions supplied: see page 26



Cool

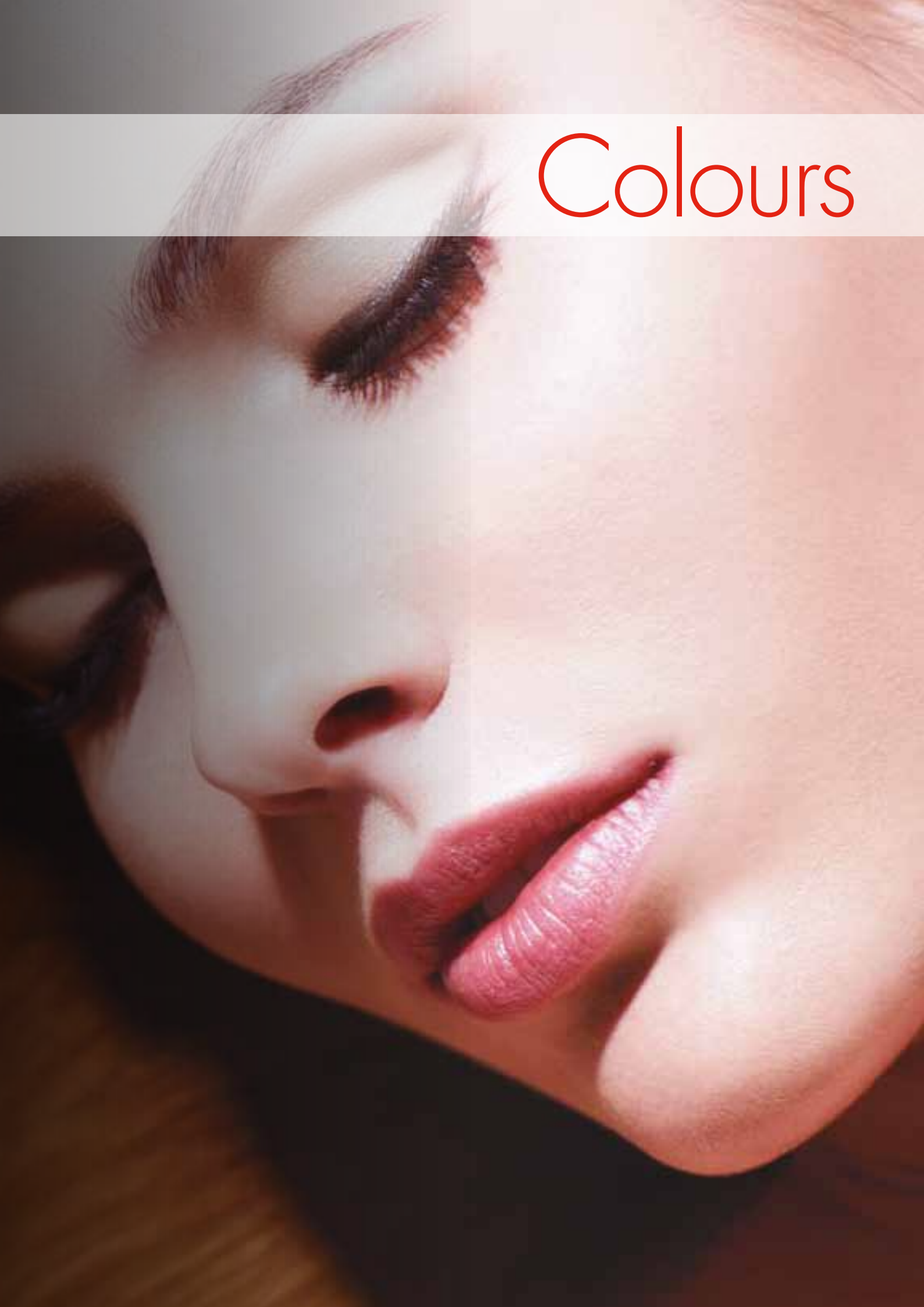




"Passion
dyes of its colours
everything it touches"

Baltasar Gracián y Morales

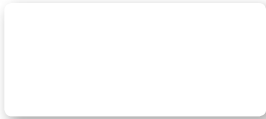
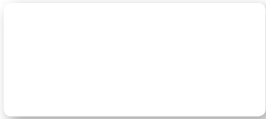




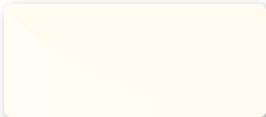
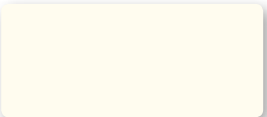
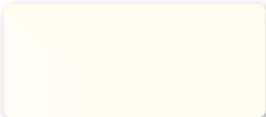






Colours



COLOURS

All colours are available in four finishes:
GLOSS - MATT - TEXTURED MATT - PEARL










The colours shown are merely indicative and not binding, as they may slightly differ, due to the printing process.

	GLOSS	MATT	TEXTURED MATT	PEARL
BIANCO	 Code: 04			 Code: 4M
CORVINO	 Code: 2L		 Code: 3L	
METROPOLITAN			 Code: 3T	
BLACK COFFEE			 Code: 3V	
PEARL	 Code: 2N	 Code: 5N		 Code: 4N
ORGANZA	 Code: 2D	 Code: 5D		
TURTLE		 Code: 5P	 Code: 3P	
COPPER	 Code: 2C		 Code: 3C	

CUSTOMISATIONS

The products in Fondital's design collection are not only characterised by unparalleled durability, but also by extremely creative applications: this is why these charming aluminium radiators can be integrated into many different interior design projects.

A wide range of colours and finishings meets the needs of architects and designers.

	GLOSS	MATT	TEXTURED MATTE	PEARL
TERRA BRUCIATA	 Code: 2S			
SILVER	 Code: 2F		 Code: 3F	
GRAFITE			 Code: 3R	
ARDESIA	 Code: 2B		 Code: 3B	
RUBINO	 Code: 2A			
HELOISE			 Code: 3H	
TURQUOISE BEACH	 Code: 2I			

Radiators in colours/finishes other than the standard "white gloss" are subject to a price increase. Please contact the sales department for further information.

Accessories



MINIMAL series valve
1/2" connection

Types	Colour White	Price	Colour Chrome	Price
Description	P/N	€	P/N	€
Angle valve with thermostat option, interchangeable copper and multilayer pipe connection, non-drip end	8493851	83.90	8493852	89.50
Thermostatic angle valve, interchangeable copper and multilayer pipe connection, non-drip end	8493651	42.70	8493652	45.10
Angle lockshield valve, interchangeable copper and multilayer pipe connection, non-drip end.	8493631	43.80	8493632	46.30
Angle valve with thermostat option, iron pipe connection, non-drip end	8493751	84.80	8493752	90.30
Thermostatic angle valve, iron pipe connection, non-drip end	8493551	43.60	8493552	46.10
Angle lockshield valve, iron pipe connection, non-drip end.	8493531	44.70	8493532	44.70



TONDERA series valve
1/2" connection

Types	Colour White	Price	Colour Chrome	Price
Description	P/N	€	P/N	€
Angle valve with thermostat option, copper and multilayer pipe connection, non-drip end	8496131	52.60	8496132	56.30
Thermostatic angle valve, copper and multilayer pipe connection, non-drip end	8496331	36.40	8496332	37.70
Manual adjustment angle valve, copper and multilayer pipe connection, non-drip end	8496231	35.80	8496232	39.90
Angle lockshield valve, copper and multilayer pipe connection, non-drip end	8496731	32.10	8496732	34.20
Straight valve with thermostat option, copper and multilayer pipe connection, non-drip end	8496151	56.40	8496152	60.00
Thermostatic straight valve, copper and multilayer pipe connection, non-drip end	8496351	40.20	8496352	41.50
Manual adjustment straight valve, copper and multilayer pipe connection, non-drip end	8496251	40.10	8496252	44.50
Straight lockshield valve, copper and multilayer pipe connection, non-drip end	8496751	35.90	8496752	38.00



Radiator thermostat for TONDERA series valves

Type	Colour White/Chrome	Price
	P/N	€
With liquid sensor	8480931	34.00

FITTINGS for copper pipes for MINIMAL series valves

Pipe size (Ø mm)	Colour Chrome	Price
	P/N	€
Ø 10 x 24/19	849381210	7.20
Ø 12 x 24/19	849381212	7.20
Ø 14 x 24/19	849381214	7.20
Ø 15 x 24/19	849381215	7.20
Ø 16 x 24/19	849381216	7.20
Ø 18 x 24/19	849381218	7.20



Fittings for multilayer pipes for MINIMAL series valves

Pipe size (Ø int. - Ø ext.)	Colour Chrome	Price
	P/N	€
Ø 7.5/8-12 x 24/19	84938320812	7.80
Ø 9.5/10-14 x 24/19	849383210	7.80
Ø 9.5/10-15 x 24/19	84938321015	7.80
Ø 10.5/11-15 x 24/19	84938321115	7.80
Ø 10.5/11-16 x 24/19	84938321116	7.80
Ø 11.5/12-16 x 24/19	8493832115	7.80
Ø 11.5/12-17 x 24/19	84938321217	8.30
Ø 12.5/13-17 x 24/19	84938321317	8.30
Ø 12.5/13-18 x 24/19	84938321318	8.30
Ø 13.5/14-18 x 24/19	84938321418	8.30
Ø 14.5/15-20 x 24/19	84938321520	8.30
Ø 15/15.5-20 x 24/19	849383215520	8.30
Ø 15.5/16-20 x 24/19	84938321620	8.30



FITTINGS for copper pipes for TONDERA series valves

Pipe size (Ø mm)	Colour Chrome	Price
	P/N	€
10	849481210	5.30
12	849481212	5.30
14	849481214	5.30
15	849481215	5.30
16	849481216	5.30
18	849481218	5.30



Fittings for multilayer pipes for TONDERA series valves

Pipe size (Ø int. - Ø ext.)	Colour Chrome	Price
	P/N	€
7.5/8-12 x 24/19	84948320812	6.50
9.5/10-14 x 24/19	849483210	6.50
9.5/10-15 x 24/19	84948321015	6.50
10.5/11-15 x 24/19	84948321115	6.50
10.5/11-16 x 24/19	84948321116	6.50
11.5/12-16 x 24/19	8494832115	6.50
11.5/12-17 x 24/19	84948321217	6.90
12.5/13-17 x 24/19	84948321317	6.90
12.5/13-18 x 24/19	84948321318	6.90
13.5/14-18 x 24/19	84948321418	6.90
14.5/15-20 x 24/19	84948321520	6.90
15/15.5-20 x 24/19	849483215520	6.90
15.5/16-20 x 24/19	84948321620	6.90



Accessories

FASTENING KIT with white/chrome fasteners + plugs and bleed valves for COOL

	Code	Price
		€
A 77 installation kit for COOL 3 points - white - with bleed valve and 1 plug	550124	8.70
A 78 installation kit for COOL 3 points - chrome - with bleed valve and 1 plug	550125	23.50
A 79 installation kit for COOL 3 points - white - central connection with bleed valve and 3 plugs	550126	11.40
A 89 installation kit for COOL 3 points - chrome - central connection with bleed valve and 3 plugs	550127	25.10

INCLUDED IN THE SUPPLY: A77 Fastening system and reductions



TONDERA SERIES CENTRAL CONNECTION

	Code	Price
		€
50 mm angle lockshield valve and valve with thermostat option assembly, interchangeable copper and multilayer pipe connection, non-drip end. RH. Colour: Chrome.	8496812	99.90
50 mm angle lockshield valve and valve with thermostat option assembly, interchangeable copper and multilayer pipe connection, non-drip end. RH. Colour: White RAL 9010.	8496811	92.20
50 mm angle lockshield valve and thermostat valve assembly, interchangeable copper and multilayer pipe connection, non-drip end. RH. Colour: Chrome.	8496842	80.50
50 mm angle lockshield valve and thermostat valve assembly, interchangeable copper and multilayer pipe connection, non-drip end. RH. Colour: White RAL 9010.	8496841	75.80
Reversible screw for Tondera from RH to LH	8490471	19.90



SUPPORTS COOL model

	Code	Price
		€
White supports for Cool - no.2	570135	20.30
Chrome supports for Cool - no.2	570135C	25.60



TOWEL RAIL KIT COOL model

	Code	Price
		€
Towel rail COOL 450-500-550 - White	570133	37.60
Towel rail COOL 600 - White	570134	39.20
Towel rail COOL 450-500-550 - Chrome	570133C	51.70
Towel rail COOL 600 - Chrome	570134C	55.00



Article code

To obtain the radiator code, it is necessary to join the code with the two final numbers concerning the finishing and the desired colour.

EXAMPLE: HOW TO OBTAIN THE CODE

Cool radiator 860/450, gloss Bianco (white) colour.

Ex: EA52A0 04

Cool radiator 1160/500, gloss Ardesia colour.

Ex: EA52G0 2B

MODEL	COOL (central connection)	
	CODE	FINISHING/ COLOUR
COOL AC 860/450	EA62A0	XX*
COOL AC 860/500	EA62B0	
COOL AC 860/550	EA62C0	
COOL AC 860/600	EA62D0	
COOL AC 1160/450	EA62F0	
COOL AC 1160/500	EA62G0	
COOL AC 1160/550	EA62H0	
COOL AC 1160/600	EA62I0	
COOL AC 1490/450	EA62M0	
COOL AC 1490/500	EA62N0	
COOL AC 1490/550	EA62O0	
COOL AC 1490/600	EA62P0	
COOL AC 1740/450	EA62R0	
COOL AC 1740/500	EA62S0	
COOL AC 1740/550	EA62T0	
COOL AC 1740/600	EA62U0	

MODEL	COOL (lateral connection)	
	CODE	FINISHING/ COLOUR
COOL 860/450	EA52A0	XX*
COOL 860/500	EA52B0	
COOL 860/550	EA52C0	
COOL 860/600	EA52D0	
COOL 1160/450	EA52F0	
COOL 1160/500	EA52G0	
COOL 1160/550	EA52H0	
COOL 1160/600	EA52I0	
COOL 1490/450	EA52M0	
COOL 1490/500	EA52N0	
COOL 1490/550	EA52O0	
COOL 1490/600	EA52P0	
COOL 1740/450	EA52R0	
COOL 1740/500	EA52S0	
COOL 1740/550	EA52T0	
COOL 1740/600	EA52U0	

*The two final numbers change according to chosen finishing/colour.



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