



REHAU®

Unlimited Polymer Solutions



RAUFUSION PP-R PLUMBING SYSTEM

Safer. Smarter. More Convenient





SAFER

Engineered for your safety and well being



Safety is critical when choosing a suitable plumbing system. REHAU RAUFUSION consists of a wide array of safety features such as threaded fittings that ensure absolute security at the joints, and the best compounded polypropylene material chosen to prevent material degradation. In addition, the RAUFUSION system has gone through rigorous testing to meet both international and local standards.

Superior raw material

We use specially compounded polypropylene (PP-R) material for our pipe and fitting production. The compounded material includes highly effective stabilizers which prevent the material from degrading during production and operations.

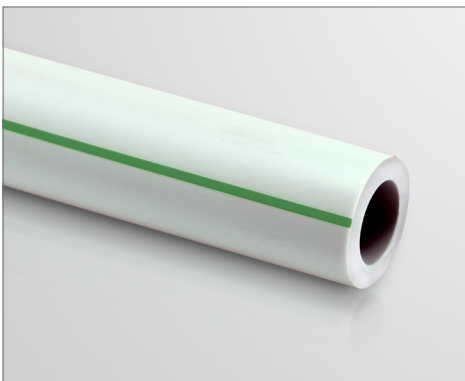
THE PERFECT FUSION OF QUALITY AND FUNCTIONALITY



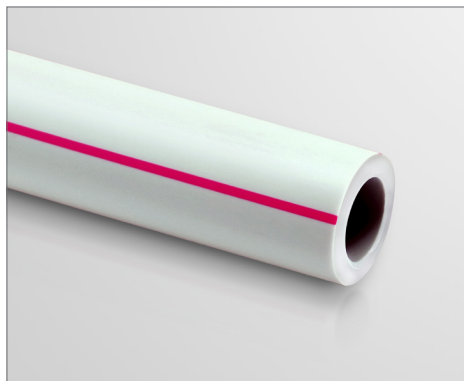
No material degradation

Easy identification

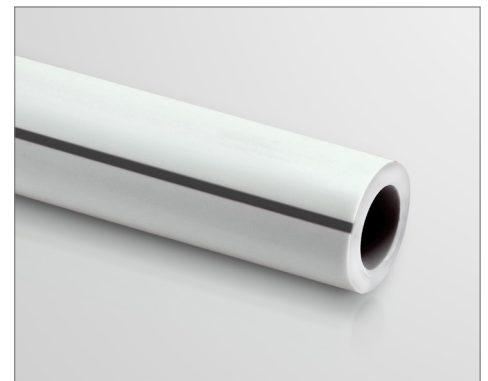
The RAUFUSION piping system is clearly marked out with 3 distinct stripes, each representing a different PN rating. This allows for easy identification at the jobsite for both installation and inspection purposes.



Pressure Rating: **PN10 / SDR 11 / S 5**
 Operating Pressure: 12.9 bars at 20°C
 Operating Temperature: 5 - 70°C
 Lifespan: 50 years
 Appearance: Light Grey with 4 Green stripes



Pressure Rating: **PN 20 / SDR 6 / S 2,5**
 Operating Pressure: 25.7 bars at 20°C
 Operating Temperature: 5 - 70°C
 Life span: 50 years
 Appearance: Light Grey with 4 Magenta stripes



Pressure Rating: **PN16 / SDR 7,4 / S 3,2**
 Operating Pressure: 20.4 bars at 20°C
 Operating Temperature: 5 - 70°C
 Life span: 50 years
 Appearance: Light Grey with 4 Grey stripes

ENGINEERED FOR YOUR SAFETY AND WELL BEING

Fused
with
ease

SMARTER

Because we're thinking of you

3 Steps to socket fusion



1 Fusioning



2 Aligning



3 Joining



Homogeneous joint - socket fusion

The result of the socket fusion process is a permanent homogeneous joint that requires no O-ring or solvent to seal and gives great pressure resistance.

Depending on the size of pipe, socket fusion welding can either be done by our handy RAUTOOL RF63, RF125 tool kits, or RAUTOOL RF125 or RF160 station kits.

For more technical details, please refer to REHAU RAUFUSION Technical Information, which can be viewed/downloaded on www.rehau.com.sg.



Welding Parameters

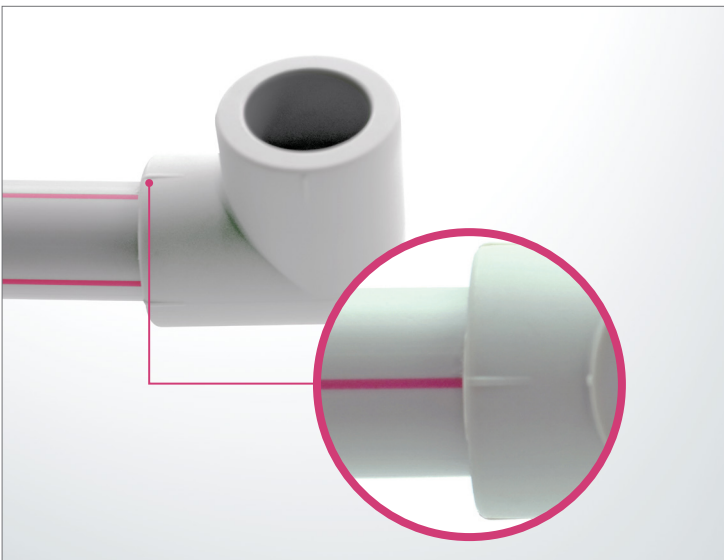
Pipe Diameter (mm)	Insertion depth (mm)	Heating time (sec)	Jointing time (sec)	Cooling time (sec)
20	14	5	4	120
25	16	6	4	180
32	18	8	6	240
40	20	12	6	240
50	23	18	6	300
63	26	25	8	360
75	28	30	8	480
90	31	40	10	480
110	33	50	10	480
125	36	58	10	600
160	43	80	15	900



CONVENIENT

Easier just for you

Convenience is the core of the RAUFUSION system. Aside from the unique features such as embossed joint and time markings, RAUFUSION is a complete PP-R system that comes equipped with a range of fusion tools that make plumbing installation effortless.



Embossed joint markings

Four (4) stripes located along the pipe are not only designed for easy product identification, but also for convenient installation.

The pipe's stripes and fitting's embossed marking lines allow for easy and quick alignment during the installation to achieve the desired angle of the branched pipe or fitting.

ACCURATE INSTALLATION GUIDELINES FOR EVERY JOINT

Quality
at your
fingertips



Timing marks

We know that correct fusion time guarantees the quality of the joint.

With REHAU RAUFUSION, our installers are not required to memorize the fusion parameters to carry out the fusion process. It is simply because the Fusion (Heating) Times are printed in small intervals on the RAUFUSION pipes according to the respective heating requirements for each pipe's size.

The fusion time table can also be found in the each REHAU welding tool bag.

REHAU's unique depth markers are also available to measurement of required insertion depth an ease.





Designed to
meet your
requirements

TECHNICAL SPECIFICATION

Pipes Dimension Table

	PN 10 / SDR 11 / S 5		PN 16 / SDR 7.4 / S 3.2		PN 20 / SDR 6 / S 2,5	
Outer pipe dimensions	e	ID	e	ID	e	ID
mm	mm	mm	mm	mm	mm	mm
20	1,9	16,2	2.8	14.4	3,4	13,2
25	2,3	20,4	3.5	18	4,2	16,6
32	2,9	26,2	4.4	23.2	5,4	21,2
40	3,7	32,6	5.5	29	6,7	26,6
50	4,6	40,8	6.9	36.2	8,4	33,2
63	5,8	51,4	8.6	45.8	10,5	42,0
75	6,8	61,4	10.3	54.4	12,5	50,0
90	8,2	73,6	12.3	65.4	15,0	60,0
110	10	90,0	15.1	79.8	18,4	73,2
125	-	-	17.1	90.8	-	-
160	14,6	130,8	21.9	116.2	-	-

PP-R Material Characteristics

Properties	Test method	Unit	Values
Melt Index 230/2.16	ISO 1133	g/10min	0.25
Density	ISO 1183	g/cm ³	0.9
Vicat Softening Temperature	ISO 306	C	>130 C
Thermal conductivity (20°C)	DIN 52612	W/mK	0.24
Thermal Expansion Factor	Dilatometer	Mm/mK	0.15
Elongation	ASTM D 638	%	>400
Tensile Strength at Yield	ASTM D 638	MPa	26.5
Flexular Modulus	ASTM D 790	MPa	833

Technical Data of pipes (approximate value)

Applications:

The system can be used for various applications*:

- Potable hot and cold water piping system
- Industrial piping system
- Radiant heating and cooling system
- Compressed air piping system
- Chilled water piping system

Prestigious quality standards

Rigorously tested according to all short and long term requirements specified by ISO15874 and DIN8077/8078 while fulfilling REHAU's internal stringent lab tests and quality requirements.

Compliance Standards:

- ISO 15874
- DIN 8077 / 78
- AS/NZS 4020
- SS 375
- BS EN 1982
- BS EN 12163
- BS EN 12420





* Please check with your local sales office on the suitability of application before installation.


RAUFUSION

Product Range

RAUFUSION Pipes


Description	Art. - No.	DN in mm
	312567-001	20 x 1,9
	312568-001	25 x 2,3
	312569-001	32 x 2,9
	312570-001	40 x 3,7
	312571-001	50 x 4,6
	312572-001	63 x 5,8
	312573-001	75 x 6,8
	312574-001	90 x 8,2
	312575-001	110 x 10,0
	320182-001	160 x 14,6*


Description	Art. - No.	DN in mm
	312576-001	20 x 2,8
	312577-001	25 x 3,5
	312578-001	32 x 4,4
	312580-001	40 x 5,5
	312581-001	50 x 6,9
	312582-001	63 x 8,6
	312583-001	75 x 10,3
	312584-001	90 x 12,3
	312585-001	110 x 15,1
	315677-001	125 x 17,1*
315678-001	160 x 21,9*	


Description	Art. - No.	DN in mm
	312586-001	20 x 3,4
	312587-001	25 x 4,2
	312588-001	32 x 5,4
	312589-001	40 x 6,7
	312591-001	50 x 8,4
	312592-001	63 x 10,5
	312593-001	75 x 12,5
	312598-001	90 x 15,0
	312602-001	110 x 18,4

Description	Art. - No.	DN in mm
	312601-001	20
	312603-001	25
	312600-001	32

RAUFUSION components


Description	Art. - No.	DN in mm
	312634-001	40
	312604-001	50
	312605-001	63
	312606-001	75
	312607-001	90
	312608-001	110
	315666-001	125*
	315667-001	160*


Description	Art. - No.	DN in mm
	312635-001	20
	312636-001	25
	312637-001	32
	312638-001	40
	312609-001	50
	312610-001	63
	312611-001	75
	312612-001	90
	312613-001	110
	315668-001	125*
315669-001	160*	


Description	Art. - No.	DN in mm
	312614-001	20
	312615-001	25
	312639-001	32
	312640-001	40
	312730-001	50
	312731-001	63
	312732-001	75
	312733-001	90
	312734-001	110
	315670-001	125*
	315671-001	160*


Description	Art. - No.	DN in mm
	312616-001	25-20-25
	312617-001	32-20-32
	312618-001	32-25-32
	312641-001	40-20-40
	312642-001	40-25-40
	312643-001	40-32-40
	312645-001	50-20-50
	312646-001	50-25-50
	312735-001	50-32-50
	312736-001	50-40-50
	312647-001	63-20-63
312737-001	63-25-63	

RAUFUSION components

Description	Art. - No.	DN in mm
	312738-001	63-32-63
	312739-001	63-40-63
	312740-001	63-50-63
	312741-001	75-32-75
	312742-001	75-63-75
	312743-001	90-32-90
	312745-001	90-63-90
	312746-001	110-63-110




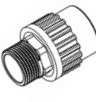


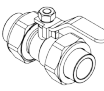
Description	Art. - No.	DN in mm
	320257-001	25-20
	320258-001	32-20
	320259-001	32-25

Description	Art. - No.	DN in mm
	316312-001	20-Rp 1/2"
	317068-001	25-Rp 1/2"

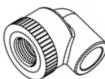
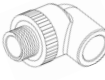




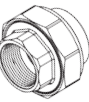
Description	Art. - No.	DN in mm
	312619-001	25-20
	312648-001	32-20
	312620-001	32-25
	312649-001	40-20
	312650-001	40-25
	312747-001	40-32
	312748-001	50-20
	312749-001	50-25
	312750-001	50-32
	312751-001	50-40
	312752-001	63-20
	312753-001	63-25
	312754-001	63-32
	312755-001	63-40
	312756-001	63-50
	312757-001	75-63
	312758-001	90-63
	312759-001	90-75
	312760-001	110-63
	312761-001	110-75
312762-001	110-90	
315672-001	125-110*	
315674-001	160-110*	
315673-001	160-125*	

* Non-standard stock



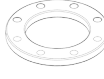



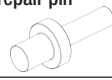
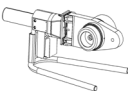

RAUFUSION components

Description	Art. - No.	DN in mm
 Socket	312621-001	20
	312622-001	25
	312651-001	32
	312652-001	40
	312623-001	50
	312624-001	63
	312625-001	75
	312626-001	90
	312627-001	110
	315634-001	125*
	315665-001	160*
	 End Cap	312653-001
312654-001		25
312655-001		32
312656-001		40
312657-001		50
312658-001		63
 Coupling - female thread	312659-001	20-1/2"
	312660-001	20-3/4"
	312661-001	25-1/2"
	312662-001	25-3/4"
	312663-001	32-3/4"
	312664-001	32-1"
	312666-001	40-1 1/4"
	312667-001	50-1 1/2"
	312668-001	63-2"
 Coupling - male thread	312669-001	20-1/2"
	312670-001	20-3/4"
	312671-001	25-1/2"
	312672-001	25-3/4"
	312673-001	32-3/4"
	312674-001	32-1"
	312675-001	40-1 1/4"
	312676-001	50-1 1/2"
	312677-001	63-2"
	 Stop Valve	312699-001
312700-001		25
312701-001		32
 Concealed stop valve	314347-001	20
	314349-001	25
	314350-001	32
 RAUFUSION union ball valve	316228-001	d20
	316229-001	d25
	316230-001	d32
	316635-001	d40
	316636-001	d50
	316637-001	d63

RAUFUSION components

Description	Art. - No.	DN in mm	
 Elbow - female thread	312679-001	20-1/2" (Shallow)	
	312681-001	20-1/2"	
	314080-001	20-3/4"	
	312682-001	25-1/2"	
	312683-001	25-3/4"	
	312684-001	32-3/4"	
	312685-001	32-1"	
	 Elbow - male thread	312686-001	20-1/2"
312687-001		20-3/4"	
312688-001		25-1/2"	
312689-001		25-3/4"	
312690-001		32-3/4"	
312691-001		32-1"	
 Wall-mounted Elbow - female thread	312678-001	20-1/2"	
 Tee - female thread	312692-001	20-1/2"-20	
	312693-001	25-1/2"-25	
	312694-001	25-3/4"-25	
	312695-001	32-3/4"-32	
	312696-001	32-1"-32	
 Tee - male thread	312697-001	20-1/2"-20	
	312698-001	25-1/2"-25	
 Adaptor Union - male thread	312703-001	20-1/2"	
	312704-001	25-3/4"	
	312705-001	32-1"	
	312706-001	40-1 1/4"	
	312707-001	50-1 1/2"	
	312708-001	63-2"	
	 Adaptor union female	314348-001	20-1/2"
		314352-001	25-3/4"
314353-001		32-1"	
314354-001		40-1 1/4"	
314355-001		50-1 1/2"	
314356-001		63-2"	

RAUFUSION components

Description	Art. - No.	DN in mm
 Flange Adaptor	312709-001	63
	312710-001	75
	312711-001	90
	312724-001	110
	315675-001	125*
	320673-001	160*
 Flange gasket	320674-001	63-107-4/5
	320675-001	75-127-4/5
	320676-001	90-142-4/5
	320679-001	110-125
	320681-001	160-218-6/8*
 Steel flange	320682-001	63
	320683-001	75
	320684-001	90
	320685-001	110
	320686-001	125*
	320687-001	160
 REHAU PPR- PEX Adaptor	312725-001	20-16
	312726-001	20-20
	312727-001	25-25
	312728-001	32-32
	312729-001	40-40
 Short Bypass Bend	314050-001	20
	314060-001	25
	314070-001	32
RAUFUSION tools		
 Heating Bush hole repair: 7 and 10mm	316340-001	
 PP-R Hole repair pin	217919-001	
 RAUTOOL Hand held kit	217913-001	20-32
	217914-001	20-63
	217919-001	75-110
 RAUTOOL Station Kit	217929-001	20-110*
	316206-001	63-160*

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We recommend that the suitability of any REHAU product for the intended application should be checked. Utilisation and processing of our products are beyond our control and are therefore exclusively your responsibility. In the event that a liability is nevertheless considered, any compensation will be limited to the value of the goods supplied by us and used by you. Our warranty assumes consistent quality of our products in accordance with our specification and in accordance with our general conditions of sale.

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REHAU
MY SAFE
CHOICE

RAUPIANO PLUS: QUIET AND RELIABLE

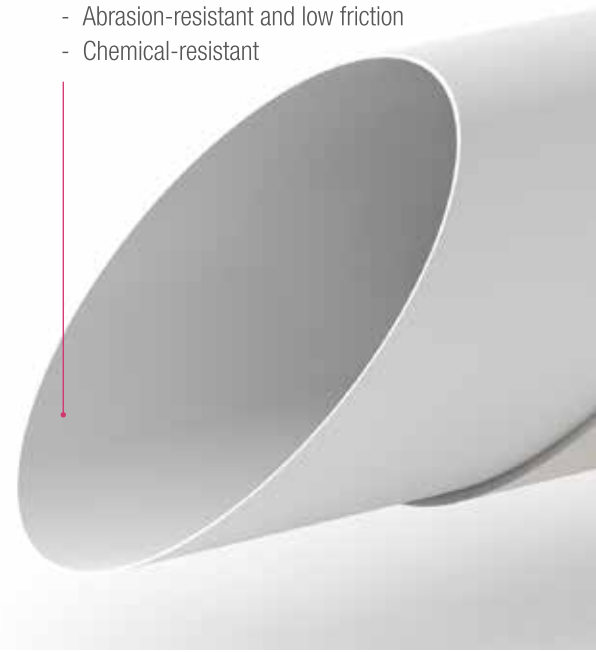
Mastering noise-damping building drainage

REHAU RAUPIANO PLUS

Three layers of innovation

Inner layer made of PP

- Abrasion-resistant and low friction
- Chemical-resistant



30 %

Faster installation
with RAUPIANO PLUS

REHAU
EFFICIENCY
PLUS



17 dB

Install comfort
with RAUPIANO PLUS

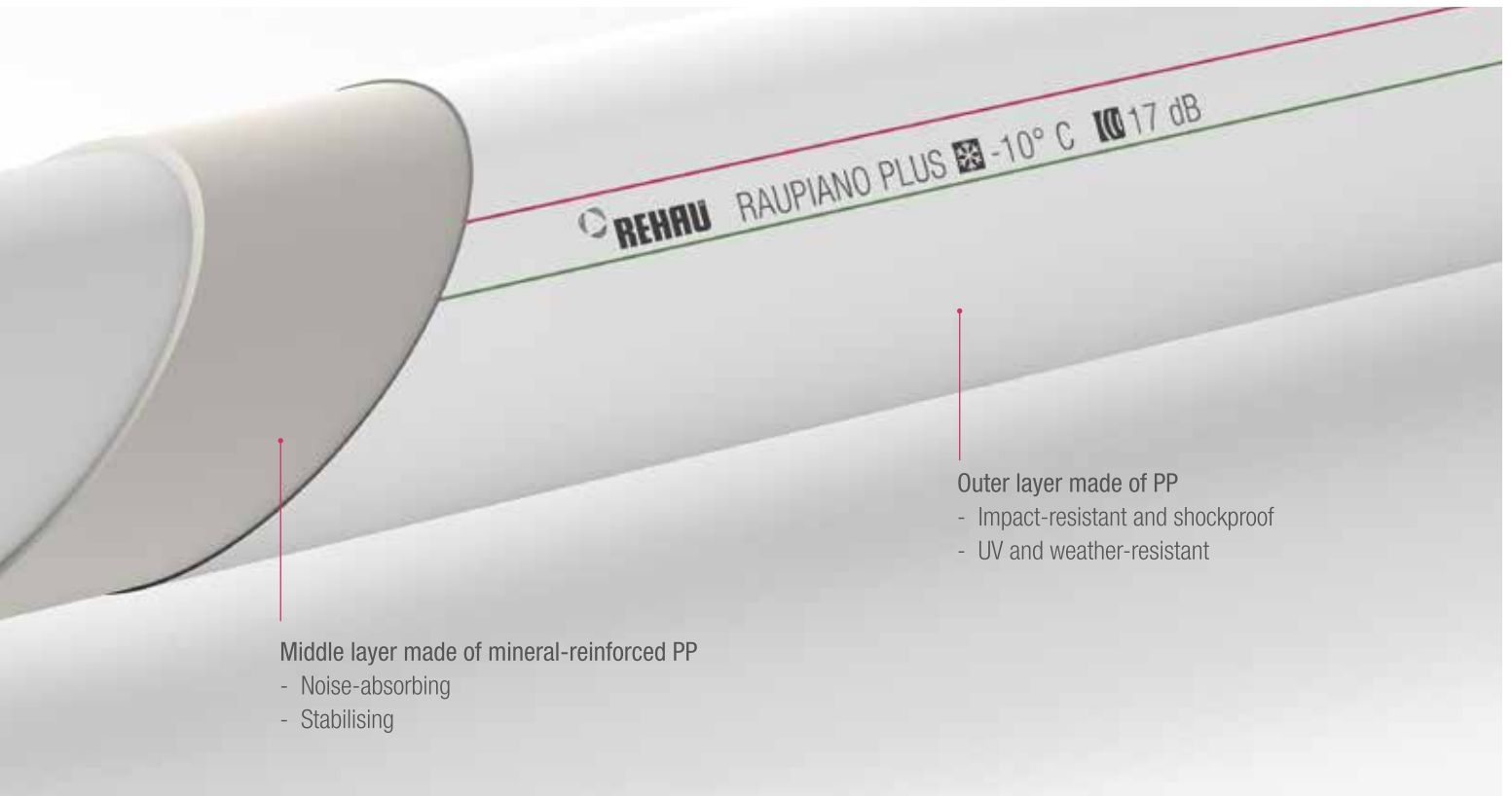
REHAU
NOISE PROTECTION
PLUS



F 90

Fire protection
with RAUPIANO PLUS

REHAU
FIRE PROTECTION
PLUS



Middle layer made of mineral-reinforced PP
- Noise-absorbing
- Stabilising

Outer layer made of PP
- Impact-resistant and shockproof
- UV and weather-resistant

COMPLETE, COMPATIBLE, DURABLE AND RELIABLE. Many words, one system: RAUPIANO PLUS

1 Complete and universal

The extensive range of pipes, fittings and accessories ensures universal suitability from single-family homes to large commercial buildings.

2 Patented structure sound damping

The noise-damping support bracket, which consists of a supporting clamp and a fastening clamp, significantly minimises structure-borne sound transmission to the installation wall. The critical factor is the even and defined starting torque provided by the clamp lock and the spacer. The special geometry of the rubber insert ensures a uniform distance from the pipe to all sides of the bracket.

3 Impact and heat-resistant

The outstanding impact and heat resistance (hot water up to 90°C, or 95°C for short periods), makes RAUPIANO PLUS an excellent system for trade waste applications.

4 Durable, reliable and chemical-resistant

The high ring stiffness makes the pipes robust for transport, storage and handling. This simplifies installation and prevents horizontally installed pipes from sagging. Underground installation is no problem due to the exceptional rigidity. The material offers high chemical resistance at pH values between 2 and 12.

5 Sturdy and functional

The extremely smooth and abrasion-resistant inner layer of the pipe prevents deposits and scaling, while a special coating reduces friction. The UV-resistant outer layer of the pipe system boasts exceptional shock resistance and weathering resistance.

6 Pressure-resistant to 2 bar

The push-fit lock prevents the pipe or fitting from being pulled out of the socket thus securing the joints which are under pressure in storm water lines.



FAST INSTALLATION

Installation times reduced to a minimum

RAUPIANO PLUS is not only technically, but in many cases also the better solution economically – from single-family homes to large buildings.

Better planning and installation

Eliminating potential sources of errors in the planning and installation, as well as reducing the installation effort required speeds up installation by up to 30% compared with cast-iron pipes.



MORE METRES MORE EASILY

With RAUPIANO PLUS

Installation accelerator:

- Substantially lighter than cast-iron pipes with greater dimensional stability
- Fast and easy shortening – aided by printed measurement scales on the pipe
- Transition to PVC system without transition pieces for sizes above 110mm
- Proven push-fit joint
- Unglued connections provide freedom to alter gradients and alignment

30 %

faster installation

with RAUPIANO PLUS



Safe material cost
up to 30%

ECONOMICAL INSTALLATION

Advantages that pay out

Not only faster, but also more economical

In construction business, not everything is selected by material price. There are more factors to be considered: manpower cost for installation, system performance, additional measures to design the system, etc. All these factors eventually translate to dollars and cents. And some things cannot be measured by money, like health and safety.



REHAU PROFIT PLUS

With RAUPIANO PLUS

RAUPIANO PLUS vs. cast iron

Weight plays a big part in handling and installation, affecting working speed and how many people needed to get the job done, and those directly translate to manpower cost. RAUPIANO PLUS also requires fewer measures in fire protection compared to cast iron system, requiring only fire protection collar installation.

RAUPIANO PLUS vs. PVC

Simply incomparable in terms of acoustic performance. PVC system needs extra acoustic lagging to match RAUPIANO PLUS; even then, RAUPIANO PLUS is still better. Acoustic lagging means extra material, extra manpower, and extra time. And no amount of money can measure the health benefits of not using toxic solvent cement and cancerous halogens.

RAUPIANO PLUS leads the comparison in savings per household unit

Savings per unit	RAUPIANO PLUS	Cast Iron	uPVC
Preparation (wall and floor chasing, bracketing, concreting)	2	2.5	2
Waste pipe installation	1	2	1.5
Total time (no. of days)	3	4.5	3.5

Note:

1. Installation of a 3-bathroom and 1-kitchen apartment
2. Installation is done by 2 installers with 9 daily working hours

** German Research Guild SSH Munchen 2005 compared to cast-iron pipes



Simple
mounting for
guaranteed noise
protection

COMPREHENSIVE INSTALLATION

The system for premium noise protection. Verified by the Fraunhofer Institute.

Quieter than the ticking of a watch: At just 17 dB(A)* RAUPIANO PLUS comes in significantly below the minimum legal requirement for noise protection in sanitation installations. It even easily fulfils the more stringent VDI 4100 standard.

*Measurement of noise from waste drainage installations in a standardised test facility. The measurements were conducted in a basement, behind the installation wall with a flush volume of 4 l/s. (Source: Fraunhofer-Institut für Bauphysik, Stuttgart, Prüfbericht P-BA 6/2009)

Passed with flying colours:

Achieving noise protection compliance for the entire installation is particularly challenging. In addition to water drainage with RAUPIANO PLUS, the noise tests at the Fraunhofer Institute also included the drinking water installation with RAUTITAN and the sanitation equipment, including the flush technology. The result: the standard was easily met. RAUPIANO PLUS and RAUTITAN offer system-tested noise protection to meet the highest standards.



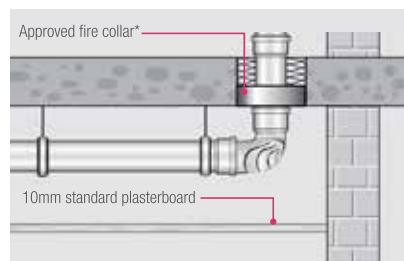
SILENCE AT LAST

With RAUPIANO PLUS

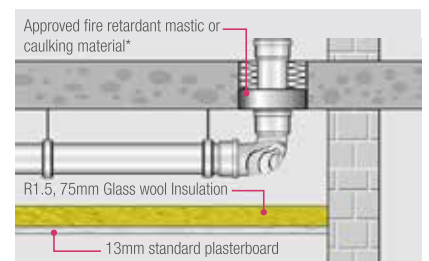
Silence, without any lagging

Vertical living has challenged the industry to develop innovative solutions to overcome potential problems caused by dense living space.

RAUPIANO PLUS is an acoustic drainage system used to improve the attenuation of sound created by turbulent water flow through the pipe work. The system has been extensively tested at the National Acoustic Laboratory (Australia) and has been confirmed to meet and exceed the deemed to satisfy requirements of the NCC/BCA (Australia) behind a ceiling system without the need for acoustic lagging.



$R_w + C_{Tr} 25$ (non-habitable areas)



$R_w + C_{Tr} 40$ (habitable areas)

“REHAU RAUPIANO PLUS is a practical, cost-effective solution which eliminates the need for lagging the pipework and inspecting any type of lagging during the construction phase of the project.”

Nicholas Tselios, Director of RENZO TONIN & ASSOCIATES (NSW) PTY LTD



INNOVATIVE INSTALLATION

For whisper-quiet building drainage

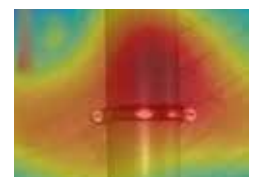
Multi-layer technology significantly reduces sound levels

The highly rigid middle layer of the RAUPIANO PLUS pipes with sound-absorbing filler minerals increases the density of the material (pipe density 1.9g/cm^3), substantially reducing the sound level.

All components of RAUPIANO PLUS - the pipes, moulded pieces and mounting equipment - eliminate noise emissions effectively.



RAUPIANO PLUS



Standard HT-PP

Lowest noise level

Highest noise level

The recordings were made at the Fraunhofer Institute with an acoustic camera and are used to visualise sound.



REHAU NOISE PROTECTION PLUS

With RAUPIANO PLUS

Mass-optimised bends absorb impact noise

Flow redirection is a critical area in impact noise creation. RAUPIANO PLUS bend fittings feature thickened walls in the sound-critical impact areas, substantially reducing the emission of air-borne noise. Additionally, hydraulically optimised inner contours of the branches minimise flow noise.



Patented sound-dampening bracket isolates structure-borne noise

The sound-dampening bracket consists of a rubber-lined guiding and fixing clamp, which work together effectively in decoupling vibrations from the drainage stack to the fixing wall. This significantly minimises structure-borne sound transmission to the installation wall.

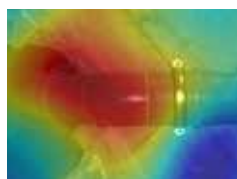


Mistake-free installation guaranteed:

The quick and simple snap-on installation and the rubber lining ensure repeat performance of the sound-dampening effect by centralising the pipe, and applying the exact fastening force.



RAUPIANO PLUS



Standard HT-PP



RAUPIANO PLUS



Standard HT-PP

Lowest noise level

Highest noise level

Lowest noise level

Highest noise level



SIMPLE, SAFE AND RELIABLE INSTALLATION

Fire protection: fast, easy, no compromise

Fire protection is not only about making sure nothing burns, but ensuring that lives can be saved in the instance of fire. Fire, smoke and gases must not be allowed to spread to other rooms for a defined resistance period.

REHAU fire protection solutions

Above a temperature of 160°C, the special material of REHAU fire collars expand to 18 times its normal volume, completely sealing the pipe, reliably preventing the spread of fire, smoke and gas to adjacent rooms.

Non-combustibility = fire protection

Contrary to the popular belief, metal pipes, despite being non-combustible, can still spread fire through heat conduction when additional measures are not fulfilled. In comparison, the necessary fire protection measures for metal pipes are more complicated than RAUPIANO PLUS. You only need to install fire protection collar and you are done!

REHAU FIRE PROTECTION PLUS

With RAUPIANO PLUS

REHAU fire proofing collars

REHAU provides simple and reliable fire protection solutions for all circumstances and are certified by the (German) building inspectorate to withstand fire for at least 90 minutes. Apart from our own solutions, REHAU also works together with major fire proofing collar companies to provide suitable solutions which are available wherever you are.



REHAU fire proofing collar compact for wall and floor penetrations



REHAU fire proofing tape for flushing floor installations



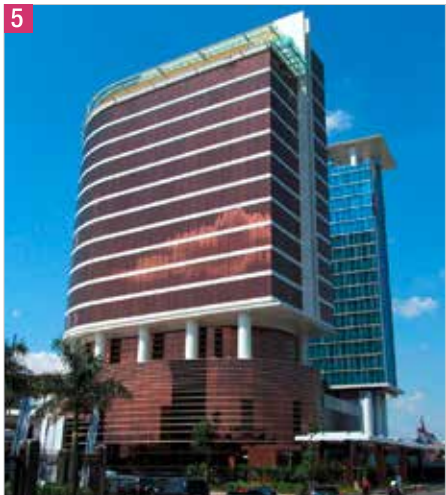
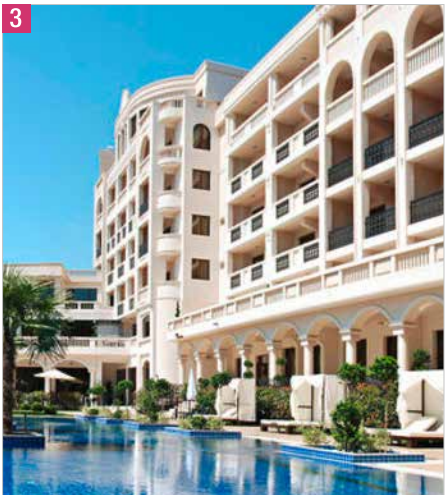
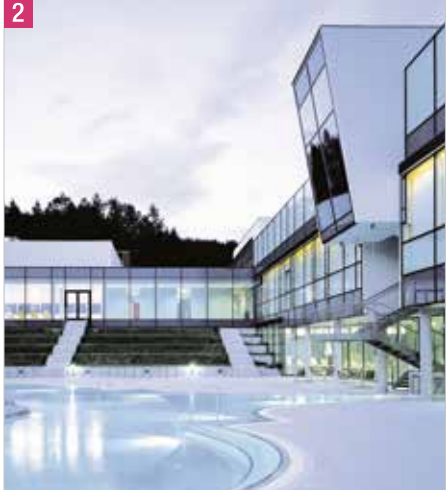
REHAU fire proofing collar angled for non-perpendicular floor penetrations

F 90

Fire protection
with RAUPIANO PLUS

RAUPIANO PLUS PROJECT REFERENCES

Proven million fold over the years



1 Australia, Queensland Children's Hospital
2 Austria , Nova Koflach Therme and Hotel
3 Bulgaria , Primoretz Grand Hotel and Spa

4 Germany , Bulow Carre
5 Indonesia, Trans Luxury and Ibis Hotels
6 Italy, Olympic Village

7 Philippines, Majorca Residences, Circulo Verde



8 Russia, Park Inn Imeretinskaya Hotel
 9 Singapore, Cape Royale
 10 Spain, Torre Caja Madrid


11 Spain, Storan Theater
 12 Sweden, Clarion Hotel Post
 13 Thailand, Indigo Hotel

14 Turkey, Elite City-Sua Insatt



RAUPIANO PLUS

Product Range










RAUPIANO PLUS pipes

Description	Art. - No.	DN/length in mm
	123004-004	40/150
	123014-004	40/250
	123024-004	40/500
	123034-400	40/1000
	123044-400	40/2000
	123054-400	40/3000
	120094-005	50/150
	120104-005	50/250
	120114-005	50/500
	120124-006	50/750
	120134-400	50/1000
	120144-400	50/1500
	120154-400	50/2000
	120934-400	50/3000
	120174-004	75/150
	120184-004	75/250
	120194-004	75/500
	120204-006	75/750
	120214-400	75/1000
	120224-400	75/1500
	120234-400	75/2000
	120944-400	75/3000
	123984-002	90/150
	123184-005	90/250
	123194-004	90/500
	123204-400	90/1000
	123994-400	90/1500
	123214-400	90/2000
	123224-400	90/3000
	120254-003	110/150
	120264-003	110/250
	120274-005	110/500
	120284-006	110/750
	120294-400	110/1000
	120304-400	110/1500
	120314-400	110/2000
	120324-400	110/3000
	120654-003	125/150
	120664-001	125/250
	120674-005	125/500
	120694-200	125/1000
	120704-200	125/1500
	120714-200	125/2000
	120724-200	125/3000
	122954-004	160/500
	121664-400	160/1000
	121674-400	160/2000
121684-400	160/3000	
123615-400	200/1000	
123025-400	200/2000	
123035-400	200/3000	


RAUPIANO PLUS components


Description	Art. - No.	DN/length in mm
	123064-001	40/15°
	123074-001	40/30°
	123084-001	40/45°
	123094-001	40/87°
	121094-001	50/15°
	121104-001	50/30°
	121114-001	50/45°
	121124-001	50/67°
	121134-001	50/87°
	121144-001	75/15°
	121154-001	75/30°
	121164-001	75/45°
	121174-001	75/67°
	121184-001	75/87°
	123384-001	90/15°
	123394-001	90/30°
	123404-001	90/45°
	123414-001	90/87°
	123424-001	110/15°
	123434-001	110/30°
	123444-001	110/45°
	123454-001	110/67°
	123464-001	110/87°
	123474-001	125/15°
	123484-001	125/30°
	123494-001	125/45°
	123504-001	125/67°
	123514-001	125/87°
	124059-001	160/15°
	124067-001	160/30°
	124028-001	160/45°
	124029-001	160/87°
	123097-001	200/45°
123089-001	200/87°	
	123104-001	40/40/45°
	123114-001	40/40/87°
	121234-001	50/50/45°
	121254-001	50/50/87°
	121264-001	75/50/45°
	121284-001	75/50/87°
	121294-001	75/75/45°
	121544-001	75/75/87°
	123274-001	90/50/45°
	123284-001	90/50/87°
	123834-001	90/75/45°
	123844-001	90/75/87°
	123294-001	90/90/45°
	123304-001	90/90/87°
	121304-001	110/50/45°
	121324-001	110/50/87°
	100257-001	110/90/45°
	100258-001	110/90/87°
	121334-001	110/75/45°
	121344-001	110/75/87°
	122984-001	110/110/45°
	123005-001	110/110/87°
	120574-001	125/110/45°
	120594-001	125/110/87°
	120584-001	125/125/45°
	120604-001	125/125/87°
	124037-001	160/110/45°


RAUPIANO PLUS components


Description	Art. - No.	DN/length in mm
	124069-001	160/110/87°
	123107-001	160/125/45°
	123108-001	160/125/87°
	124038-001	160/160/45°
	124077-001	160/160/87°
	123694-001	200/160/45°
	123704-001	200/160/87°
	123964-001	200/200/45°
		123714-001
122964-001		110/110/110/45°
121554-001		110/110/110/87°
123594-001		125/110/110/45°
123076-001		160/110/110/45°
123684-001	160/110/110/87°	
	121564-003	110/110/110/87°
	123045-001	90/75/90/87°
	123761-001	110/75/110/87°
	123055-001	90/75/90/87°
	123771-001	110/75/110/87°
	123734-001	90/90
	120564-003	110/110
	123124-001	50/40
	121384-001	75/50
	123314-001	90/50
	123324-001	90/75
	121394-001	110/50
	121404-001	110/75
	121994-001	110/90
	120614-001	125/110
	124039-001	160/110
	123105-001	160/125
123102-001	200/160	
	123009-001	40/43
	123012-001	50/56
	123016-001	75/69
	123017-001	90/82
	123164-001	40/40-30
	121414-001	50/40-30
	121424-001	50/50


RAUPIANO PLUS components


Description	Art. - No.	DN/length in mm
Elbow nipple adaptor 	123174-001	40/40-30
	122694-001	50/40-30
	121444-001	50/50


Description	Art. - No.	DN/length in mm
Socket plug 	123134-001	40
	121454-001	50
	121464-001	75
	123334-001	90
	121474-001	110
	120624-001	125
	123106-001	160
	123109-001	200

Description	Art. - No.	DN/length in mm
Double socket 	123144-001	40
	121484-001	50
	121584-001	75
	123344-001	90
	121494-001	110
	120474-001	125
	124047-001	160
	123098-001	200

Description	Art. - No.	DN/length in mm
Slip-on socket 	123154-001	40
	121504-001	50
	121574-001	75
	123354-001	90
	121514-001	110
	120464-001	125
	124048-001	160
	123099-001	200

Description	Art. - No.	DN/length in mm
Access pipe 	121039-001	50
	123079-001	75
	123364-001	90
	121534-003	110
	120634-001	125
	124049-001	160

Description	Art. - No.	DN/length in mm
Long socket 	123374-001	90
	121594-001	110

Description	Art. - No.	DN/length in mm
Closet bend 	121604-001	110/22°
	121614-001	110/45°
	121624-001	110/90°


Description	Art. - No.	DN/length in mm
Closet connection 	122934-001	90
	121634-001	110
	121644-001	110


RAUPIANO PLUS components

Description	Art. - No.	DN/length in mm
P-trap siphon 	123115-001	50
	123039-001	110


Description	Art. - No.	DN/length in mm
P-trap 	123059-001	110
	(with vent)	
	123069-001	110
	(without vent)	

Description	Art. - No.	DN/length in mm
Floor gully 	100391-003	50/50/50/75


Description	Art. - No.	DN/length in mm
Venting connection pipe 	123574-001	75/80


Description	Art. - No.	DN/length in mm
Flexible exhaust connector 	123824-001	75/90/110

RAUPIANO PLUS mounting system


Description	Art. - No.	DN in mm
Sound-dampening support bracket 	122004-100	75
	122044-100	90
	122014-100	110
	122024-100	125
	122034-002	160
	123924-001	200

Description	Art. - No.	DN in mm
Fixing/security clamp 	122644-001	40
	120504-001	50
	120026-001	75
	120047-001	90
	120029-001	110
	120048-001	125
	120049-001	160
	123934-001	200

Description	Art. - No.	DN in mm
Guiding clamp 	122654-001	40
	120534-001	50
	120019-001	75
	120055-001	90
	120027-001	110
	120056-001	125
	120057-001	160
	123944-001	200

Description	Art. - No.	DN in mm
Headless screw 	121074-002	M8
	121084-002	M10


RAUPIANO PLUS fireproofing collar


Description	Art. - No.	DN/length in mm
Fireproof collar REHAU compact 	122104-001	50
	122114-001	75
	122005-001	90
	122124-001	110
	122134-001	125

Description	Art. - No.	DN/length in mm
Fireproof collar REHAU PLUS 	121894-001	40-50
	121904-001	75
	121914-001	90
	121924-001	110
	121934-001	125
	121944-001	160


Description	Art. - No.	DN/length in mm
Fireproof collar REHAU angled 	120834-001	75
	120874-001	90
	120844-001	110
	120854-001	125

Accessories

Description	Art. - No.	DN in mm
Rubber sealing ring 	128243-002	40
	128013-002	50
	128023-002	75
	128003-001	90
	128033-002	110
	128043-003	125
	128053-003	160


Description	Art. - No.	DN in mm
Rubber nipple 	126253-002	50/40
	121913-003	50/50


Description	Art. - No.	DN in mm
Rubber nipple with bead 	122923-003	40/30
	122933-003	50/30
	122943-003	50/40

Description	Art. - No.	DN in mm
Rubber venting adaptor 	123067-001	50/56

Description	Art. - No.	DN in mm
Rubber sleeve adaptor 	125024-001	50/53-63
	125034-001	75/75-89
	123904-001	110/90
	123914-001	110/110

Description	Art. - No.	DN in mm
Securing clip 	123000-001	110
	123002-001	160
	123006-001	200

Description	Art. - No.	DN in mm
Lubricant 	128933-002	150 g
	128943-003	250 g
	128953-003	500 g

Description	Art. - No.	DN in mm
Push-fit lock 	100659-001	40
	100661-001	50
	100662-001	75
	100663-001	90
	100664-001	110
	100665-001	125
	102946-001	160
	102947-001	200



Double Socket 110

Bend 50/87°

Single Branch
110/110/87°

Reducer 75/50

Access Pipe 110

Floor Gully
50/50/50/75

Bend 110/45°

PVC Adaptor 50/56

Sound-dampening
Support Bracket 110

P Trap with vent 110

Push-fit lock 110



Fire collar



RAUPIANO DN110 pipe

UNIQUE MULTI-LAYER POLYPROPYLENE (PP) SYSTEM WITH PATENTED SOUND INSULATION TECHNOLOGY FOR DRAINAGE APPLICATION TO EN 1451-1, ISO 7671, AS/NZS 7671

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Our warranty assumes consistent quality of our products in accordance with our specification and in accordance with our general conditions of sale.

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