



Engineering progress
Enhancing lives

LEAD SAFE

RAUTITAN

PRODUCT CATALOGUE





LEAD SAFE RAUTITAN Plumbing system for **safer** drinking water

Water is the most precious element to human life; an essential nutrient for our health and well-being. Everybody has the right to clean water and this is what drives REHAU's commitment to create innovative and sustainable plumbing systems to deliver safe, clean drinking water to the community. In Australia, the availability of clean, fresh drinking water is generally taken for granted. Although, for a number of years now, there has been a growing concern regarding the purity of our drinking water due to reports of compromised water quality in some buildings. Recent recordings of elevated lead level in drinking water from Australian taps has resulted in more serious discussions regarding the importance of tighter regulations on plumbing materials and design. It is widely known that many components that make up the water supply networks in our homes and business are made of DZR brass. Yet, it is not widely understood that these brass components contain varying concentrations of lead. Lead gives brass some valuable properties for the production process including machinability and malleability making it more cost effective to produce. Nevertheless, when consumed it is extremely harmful to human health.

The current Australian standard stipulates a maximum lead content of all wetted brass components to be 4.5% however, this is rarely checked or enforced. While it is unlikely for these trace levels of lead to leach into the water source, in some extreme environments or water types this can occur. Studies have shown that in some regions in Australia, lead levels in water has been recorded to be well above the 10 micrograms per litre benchmark established by the Australian Drinking Water Guidelines. In Germany and the USA more stringent lead content regulations have been in place for many years to reduce the risk of lead contamination, driving manufacturers to develop low lead or lead-free solutions. In the US, for example, lead concentration in DZR brass plumbing components is limited to 0.25%. While these strict controls are not yet in place in Australia the growing concern from consumers and authorities is pushing regulators to consider this.

Through REHAU's commitment to help people consume the cleanest and purest water possible, REHAU ANZ has introduced the first lead-safe PE-X plumbing range to Australia and New Zealand. REHAU's Lead Safe RAUTITAN consists of our renowned premium quality, high flexibility Pe-Xa PN20 pipe combined with Lead-free PVDF PXsr polymer fittings, Lead Safe Gunmetal (RX+) fittings and PX polymer sleeves to create the safest and healthiest plumbing system on the planet.

PE-Xa RAUTITAN Pipe



With 50 years of experience in PE-Xa pipe production REHAU has perfected the process of creating the highest quality pipe with the ideal properties for plumbing applications. PE-Xa pipe is naturally lead free and has been specifically treated to ensure optimal flexibility, toughness and cleanliness to deliver pure, taste and odour-free water to the end user. Available in sizes from 16mm to 63mm for various applications including domestic hot and cold water, rainwater, recycled water and hydronic heating, REHAU's PE-Xa piping system is the ultimate choice for hygiene and sustainability.

PVDF PXsr Polymer Fittings



PXsr solvent resistant fittings are made from PVDF material, which is 100% lead-free and supremely hygienic. Available in non-threaded fittings in sizes 16-20mm, PXsr fittings are 5 times lighter than brass meaning you can carry more and get the job done faster. They are corrosion proof and lead-free so they do not deteriorate over time, suffer oxide build-up or leach lead into the water making them safer for the community. PVDF is the same material as the PX sleeve and has proven over many years of incident-free operations to be highly resistant to environmental stress cracking when in contact with solvents commonly used on building sites, providing greater peace-of-mind for the plumber.

Gunmetal RX+ Fittings



RX+ fittings are made of a high quality low-lead bronze, also known as Red Brass or Gunmetal. They have a maximum lead content of 0.1%, exceeding the most stringent international standard for low-lead drinking water systems.

PX Polymer Sleeves



While compression sleeves are never in contact with water and therefore not covered by international low-lead regulation PVDF PX sleeves are 100% lead-free. They are available in sizes 16 to 40mm for use with REHAU water, gas and heating piping systems. They are lightweight, faster to install and completely secure making them the ideal material for compression sleeve jointed applications.

U-bend Fittings



Stagnant water in pipes (dead-legs) is known to facilitate the reproduction of bacteria and Legionella growth, which can cause health problems, commonly known as Legionnaires' disease. While guidelines exist in the Australian Plumbing Code to help minimise the risks, it can often be quite difficult to design a system that eliminates dead legs. The REHAU U-bend fittings are a unique concept purposely made to tackle this problem; minimizing dead-legs and allowing water to flow through plumbing fixtures even if they are not being used frequently. The U-bends reduce the risk of legionella growth facilitating the delivery of safer and cleaner water for the community.

With Lead Safe PE-X piping system now available in Australia and New Zealand the question arises, status quo or Lead Safe RAUTITAN? The choice is yours.

PIPES

Lead Safe Rautitan is suitable for Platinum and Red RAUTITAN pipe in sizes 16-25mm

RAUTITAN platinum for drinking water

REHAU Article	REECE Code	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
132300-005	1450634	16 x 2.2	-	5	-	100
132310-005	1450636	20 x 2.8	-	5	-	100
132320-005	1450638	25 x 3.5	-	5	-	25
132300-100	1450635	16 x 2.2	100	-	100	-
132310-100	1450637	20 x 2.8	100	-	100	-
132320-050	1450656	25 x 3.5	50	-	50	-



RAUTITAN red for hot drinking water

REHAU Article	REECE Code	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
132520-005	1450651	16 x 2.2	-	5	-	100
132530-005	1450653	20 x 2.8	-	5	-	100
132540-005	1450655	25 x 3.5	-	5	-	25
132520-100	1450650	16 x 2.2	100	-	100	-
132530-100	1450652	20 x 2.8	100	-	100	-
132540-050	1450654	25 x 3.5	50	-	50	-



FITTINGS

PVDF PX Sleeves

PX sleeves are made of solvent resistant PVDF material

RAUTITAN PX compression sleeve - polymer

REHAU Article	REECE Code	Size	Piece(s)/Package
160001	1450510	16	100
160002	1450511	20	100
160003	1450512	25	100



NON-THREADED

Non-threaded fittings are compression sleeve fittings that connect Pe-Xa pipes. Lead Safe Rautitan non-threaded fittings are made of either PVDF material (PXsr) or RX+.

LEAD SAFE no.1 straight coupling

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
326505-001	750520	16-16	PXsr	10
326506-001	750521	20-20	PXsr	10
456441-001	1451170	25-25	RX+	10



LEAD SAFE no.1 R reducing coupling

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
326514-001	750526	20-16	PXsr	10
456445-001	1451154	25-16	RX+	10
456446-001	1451155	25-20	RX+	10



LEAD SAFE no.12 elbow 90°

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
326508-001	750522	16	PXsr	10
326509-001	750523	20	PXsr	10
456431-001	1451147	25	RX+	10



LEAD SAFE no.24 T-piece

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
326511-001	750524	16-16-16	PXsr	10
326512-001	750525	20-20-20	PXsr	10
456452-001	1451178	25-25-25	RX+	10



LEAD SAFE no.25 T-piece - reduced centre

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
326517-001	750527	20-16-20	PXsr	10
456456-001	1451184	25-16-25	RX+	10
456457-001	1451185	25-20-25	RX+	10



LEAD SAFE no.26 T-piece - reduced end

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
326520-001	750528	20-20-16	PXsr	10
326522-001	750529	20-16-16	PXsr	10



LEAD SAFE no.28 T-piece - reduced ends

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
326526-001	750530	16-20-16	PXsr	10



LEAD SAFE no.61 stopper

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456387-001	1451156	16	RX+	10
456388-001	1451157	20	RX+	10



FITTINGS

THREADED

Threaded fittings are metallic fittings with a thread on them that allow connection with third party components or appliances. Lead Safe Rautitan threaded fittings are made of RX+

LEAD SAFE no.2 straight connector - female

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456327-001	1451158	16 - Rp 1/2	RX+	10
456328-001	1451159	20 - Rp 1/2	RX+	10
456329-001	1451160	20 - Rp 3/4	RX+	10
456408-001	1451161	25 - Rp 1	RX+	5
456331-001	1451162	25 - Rp 3/4	RX+	10



LEAD SAFE no.3 straight connector - male

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456311-001	1451163	16 - R 1/2	RX+	10
456312-001	1451164	16 - R 3/4	RX+	10
456316-001	1451165	20 - R 1	RX+	5
456314-001	1451166	20 - R 1/2	RX+	10
456315-001	1451167	20 - R 3/4	RX+	10
456319-001	1451168	25 - R 1	RX+	10
456318-001	1451169	25 - R 3/4	RX+	10



LEAD SAFE no.62 straight tap connector with gasket - female

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456335-001	1451171	16 - G 1/2	RX+	10
456337-001	1451172	20 - G 1/2	RX+	10
456338-001	1451173	20 - G 3/4	RX+	10
456340-001	1451174	25 - G 1	RX+	10
456339-001	1451175	25 - G 3/4	RX+	10



LEAD SAFE no.63 bent tap connector with gasket - female

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456396-001	1451176	16 - G 1/2	RX+	10
456413-001	1451177	20 - G 1/2	RX+	10



LEAD SAFE no.15 bp elbow - female thread - with 2 lugs

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456358-001	1451148	16 - Rp1/2	RX+	10
456359-001	1451149	20 - Rp1/2	RX+	10
456360-001	1451150	20 - Rp3/4	RX+	10
456361-001	1451151	25 - Rp3/4	RX+	10



LEAD SAFE No.15 BP elbow female - 4 lugs section

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456367-001	1451152	16 - Rp1/2	RX+	10
456369-001	1451153	20 - Rp1/2	RX+	10



LEAD SAFE no.13 elbow - male thread

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456347-001	1451143	16 - R1/2	RX+	10
456348-001	1451144	20 - R1/2	RX+	10
456349-001	1451145	20 - R3/4	RX+	10
456350-001	1451146	25 - R3/4	RX+	10



LEAD SAFE no.14 elbow - female thread

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456353-001	1451140	16 - Rp 1/2	RX+	10
456355-001	1451141	20 - Rp 1/2	RX+	10
456356-001	1451142	20 - Rp 3/4	RX+	10



LEAD SAFE connection T-piece - male thread

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456400-001	1451137	16-16-R1/2	RX+	4
456401-001	1451138	20-20-R1/2	RX+	4
456402-001	1451139	20-20-R3/4	RX+	4



LEAD SAFE connection T-piece - female thread with lugs

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456291-001	1451181	16 - Rp1/2 - 16	RX+	10
456293-001	1451182	20 - Rp1/2 - 16	RX+	10
456294-001	1451183	20 - Rp1/2 - 20	RX+	10



LEAD SAFE connection T-piece - female thread

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456414-001	1451179	25 - Rp1/2 - 25	RX+	10
456296-001	1451180	25 - Rp3/4 - 25	RX+	10



LEAD SAFE U-bend long - female thread 56mm

REHAU Article	Reece Code	Size (mm)	Material	Package (pcs)
456270-001	-	16/16 - Rp1/2	RX+	5
456271-001	-	20/20 - Rp1/2	RX+	5



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REHAU Ltd,
Suite 1.02, Level 1, Quad 1,
8 Parkview Drive, Sydney Olympic Park, NSW 2127,
AUSTRALIA
Email: Sales.Au@rehau.com

AUSTRALIA National Customer Service Centre Tel: 1300 768 033 GREATER CHINA Beijing Tel: +86 10 6428-2956 Chengdu Tel: +86 28 8628-3218 Guangzhou Tel: +86 20 8776-0343 / 3646 Hong Kong Tel: +852 2898-7080 Qingdao Tel: +86 532 8667-8190 Shenyang Tel: +86 24 2287-5807 Shanghai Tel: +86 21 6355-1155 Taicang Tel: +86 512 5337-2888 Taipei Tel: +886 2 8780-3899 Xi'an Tel: +86 29 6859-7000 INDIA Bangalore Tel: +91 80 2222-0014 Mumbai Tel: +91 22 6148-5858 New Delhi Tel: +91 11 4848-5600 Pune Tel: + 91 21 3567-4301 / 4340 INDONESIA Jakarta Tel: +62 21 4587 1030 JAPAN Tokyo Tel: +81-3-3292-8337 NEW ZEALAND Auckland Tel: +64 9 2722-264 PHILIPPINES Manila Tel: +63 2 654-5120 THAILAND Bangkok Tel: +66 2763-5100 VIETNAM Ho Chi Minh City Tel: +84 8 3823-3030
www.rehau.com

Errors and changes are to be
expected

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