

SOLUTIONS FOR OUR BLUE PLANET



LEED

VitroA



Blue Life

For our blue planet...

Blue Life is the production, design and management philosophy of the Eczacıbaşı Building Products Division.

Blue Life means reducing the use of non-renewable resources in the production process.

Blue Life means making significant investments towards boosting eco-efficiency.

Blue Life means developing products that promote power and resource conservation at the end-user level driven by a concern for the environment and our collective future.

Because the quality of our future depends on the efficient management of our resources today, good design should take responsibility for resource conservation.



World Business Council for Sustainable Development

Responsibility for natural resource conservation guides the Eczacıbaşı Building Products Division's development of products for residential and public use. Through smartly designed WC pans, urinals, concealed cisterns and faucets, VitrA can help households save over 190 tons of water per year at the end user level, ensuring significant reductions in power consumption and carbon emissions as well.

Focused on sustainability as a core principle, the Eczacıbaşı Group became the first group from Turkey to join the World Business Council for Sustainable Development in 2007. A Sustainable Development Working Committee comprising representatives from the Building Products Division as well as other Group companies is continually evaluating where we stand in terms of sustainable business practices with the aim of taking the lead in sector-wide initiatives.



What is USGBC?



The **U.S. Green Building Council (USGBC)** is a coalition of leaders from the building industry working to promote buildings that are:

- Environmentally responsible
- Profitable
- Healthy places to live and work.

What is LEED?

LEED

Leadership in Energy and Environmental Design

Leadership in Energy and Environmental Design (LEED) is a rating system of voluntary standards allowing buildings to earn certification levels.

The **LEED® green building certification program** is a voluntary, consensus-based national rating system for buildings designed, constructed and operated for improved environmental and human health performance. LEED addresses all building types and emphasizes state-of-the-art strategies in five areas: sustainable site development, water savings, energy efficiency, materials and resources selection, and indoor environmental quality.

Who uses LEED?

- ◆ Facility managers
- ◆ Real estate professionals
- ◆ Engineers
- ◆ Construction managers
- ◆ Specifiers (architects, interior designers)
- ◆ Contractors
- ◆ Government officials



LEED Point Potential of VitrA Products

VitrA products provide smart opportunities to earn credits in LEED certification system for O&M categories.



WE (water efficiency)

- WE Prerequisite 1 : Water use reduction
- WE Credit 2 : Innovative wastewater technologies (Points 2-4)
- WE Credit 3 : Water use reduction (Points 2-4)

MR (materials & resources)

- MR Credit 5 : Regional materials* (Points 1-2)

** Provided for domestic market and/or near markets*

IID (innovation in design)

- ID Credit 1 : Innovation in design (Point 1-5)

- *To achieve exceptional performance above the requirements set by auditor*
- *Innovative performance in Green Buildings categories not addressed by LEED*

WE : Water Efficiency

Water efficiency is an integral component of VitrA's complete bathroom solutions. VitrA offers certified products that reduce water usage in public areas and residences help customers achieve sustainable solutions. VitrA is effective in two major categories: water use reduction and innovative wastewater technologies. VitrA can contribute up to 6 points in WE.

MR : Materials and Resources

In many markets, VitrA is considered a local manufacturer of many bathroom components. As such, VitrA can contribute up to 2 points in the "Regional materials" category.

IID : Innovation in Design

Many of VitrA's products incorporate innovative technologies and/or designs that offer additional points in the IID category (Points 1-5). Such is the case of VitrA's 2.5/4 L WC pan, the world's first to be certified by LGA, its waterless urinal, and wall-hung WC pans with specially developed 2.5/4 L concealed cisterns.

In the faucet category, VitrA has created water and energy-saving faucets through special aerator and cartridge technologies.



Recommended Vitra ceramic sanitaryware

The table below categorizes ceramic sanitaryware products by LEED category. Each LEED category and suggested Vitra codes are defined, and quality certificates for each product are indicated within the same scheme.

LEED category	Suggested products	Potential points	
Water efficiency (WE)	Water use reduction	2.5/4 L WC pans* 3/6 L WC pans* Waterfree urinal Syphonic WC pans*	1 - 4 1 - 4 1 - 4 1 - 4
	Innovative wastewater Technologies	2.5/4 L WC pans* 3/6 L WC pans* Waterfree urinal*	1 - 2 1 - 2 1 - 2
Materials and Resources (MR)	Regional materials**	2.5/4 L WC pans* 3/6 L WC pans* Waterfree urinal Syphonic WC pans*	1 - 2 1 - 2 1 - 2 1 - 2
Innovation in design (ID)	Innovation in design***	2.5/4 L WC pans* 3/6 L WC pans* Waterfree urinal	1 1 1










- * For 2.5 L WC pans, 2.5/4 L cisterns should be used; 3/6 L systems are not sufficient in this case. Please refer to our code list for detailed information.
 ** Provided for domestic market and/or near markets.
 *** Water usage area design and 2.5/4 L technology is considered.

Vitra sanitaryware products with LGA, IAMPO-EPA-WATERSENSE approval are listed below. All 2.5/4 L wall hung WC pans should be utilized with 2.5/4 L concealed cisterns, while 3/6 L WC pans should be utilized with 3/6 L mechanisms.












Product images are representative. For detailed coding and product selections, please contact our sales team.

Product type	Product line	Function	Additional information
WC Pan	MOD 	2.5/4 L	2.5/4 L concealed cistern should be used.
WC Pan	Shift 	2.5/4 L	2.5/4 L concealed cistern for wall hung WC pans 2.5/4 L mechanism for standard WC pans
WC Pan	Matrix 	2.5/4 L	2.5/4 L flush mechanism should be used.
WC Pan	Water Jewels 	2.5/4 L	2.5/4 L flush mechanism should be used.



Product type	Product line	Function	Additional information
WC Pan	Retro 	2.5/4 L	2.5/4 L concealed cistern for wall hung WC pans 2.5/4 L mechanism for standard WC pans
WC Pan	Sunrise 	2.5/4 L	2.5/4 L concealed cistern for wall hung WC pans 2.5/4 L mechanism for standard WC pans
WC Pan	S50  (open back) (back to wall) (for disabled)	2.5/4 L	2.5/4 L flush mechanism should be used.
WC Pan	Freedom 	3/6 L	3/6 L concealed cistern should be used.
WC Pan	Istanbul 	3/6 L	3/6 L concealed cistern should be used.
WC Pan	Espace 	3/6 L	3/6 L concealed cistern should be used.
WC Pan	Nuova 	3/6 L	3/6 L flush mechanism should be used. 3/6 L mechanism for standard WC pans
WC Pan	Matrix 	3/6 L	3/6 L concealed cistern should be used.
WC Pan	Water Jewels 	3/6 L	3/6 L concealed cistern should be used.



Product type	Product line		Function	Additional information
WC Pan	Serenada		3/6 L	3/6 L flush mechanism should be used.
WC Pan	Step		3/6 L	3/6 L flush mechanism should be used.
WC Pan	Options		3/6 L	3/6 L flush mechanism for standard WC pans
WC Pan	Retro	 (short projection) 	3/6 L	3/6 L concealed cistern should be used.
WC Pan	Kemer		3/6 L	3/6 L flush mechanism should be used.
WC Pan	Form 500		3/6 L	3/6 L concealed cistern for wall hung WC pans
WC Pan	S50	 	3/6 L	3/6 L concealed cistern should be used.
WC Pan	S50		3/6 L	3/6 L concealed cistern should be used.
WC Pan	Arkitekt		3/6 L	3/6 L concealed cistern should be used.



Product type	Product line		Function	Additional information
WC Pan	Evergreen syphonic		3/6 L	Special flushing mechanism should be used.
Urinal	Arkitekt		Waterless	Special cartridge provides water-free solution for all outlet options.
Urinal	Matrix		1 L	1 L flushing mechanism should be used to achieve 1 L function.
Urinal	Retro		1 L	1 L flushing mechanism should be used to achieve 1 L function.
Urinal	S50		1 L	1 L flushing mechanism should be used to achieve 1 L function.
Urinal	Arkitekt		1 L	All urinals in the Arkitekt range can be operated with 1 L of water. (1 L mechanism is a must for 1 L function.)
Concealed Cistern	Standard 3/6 L		3/6 L	Appropriate for 3/6 L wall hung WC pans
Concealed Cistern	Standard 2.5/4 L		2.5/4 L	Appropriate for 2.5/4 L wall hung WC pans



Recommended VitrA faucets and shower systems



The table below categorizes faucets and shower systems by LEED category. Each category and suggested VitrA codes are defined, and approvals for each product are indicated within the same scheme.

LEED category		Suggested Products	Potential points
Water efficiency (WE)	Water use reduction	Low flow rate faucets*	1 - 4
		Low flow handshowers*	1 - 4
Materials and Resources (MR)	Regional materials**	Low flow rate faucets*	1 - 2
		Low flow handshowers*	1 - 2









* For product codes, please refer to the list below
 ** Provided for domestic market and/or near markets.

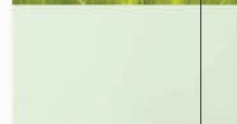
Recommended VitrA faucets and shower systems for LEED are listed below. Special engineering technologies allow VitrA products to meet the minimum and maximum requirements of the LEED certificate system for WE division.

Product images are representative. For detailed coding and product selections, please contact our sales team.

Product type	Product Line	Pressure	Flow rate
Basin mixer	Matrix 	60 psi	1,5 gpm
Basin mixer	Minimax 	60 psi	1,5 gpm
Basin mixer	Dynamic S 	60 psi	1,5 gpm



Product type	Product Line		Pressure	Flow rate
Basin mixer	AquaHeat		60 psi	1,5 gpm
Basin mixer	AquaFeel		60 psi	1,5 gpm
Basin mixer	AquaSee		60 psi	1,5 gpm 0,5 gpm (optional)
Basin mixer	AquaTouch		60 psi	1,5 gpm
Basin mixer	AquaMed		60 psi	1,5 gpm
Handshower unit	Istanbul		80 psi	2,5 gpm
Handshower set	Samba 3F-5F		80 psi	2,25 gpm
Handshower set	Cozy 5F		80 psi	2,5 gpm



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VitrA

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