

Quantitative Targets of the Wienerberger Sustainability Roadmap 2020

Target definitions	Deadlines	Performance			Status
		2015	2016	2017 ¹⁾	
Employees					
Safety of our employees					
Group level: Zero accidents	Every year	8*	7*	5*	In 2017 accident frequency was significantly reduced throughout the Group and in each Division, in some of them by over 18% and 22% as compared to the previous year. At the same time, accident frequency increased in individual operating segments of certain Divisions. To our great regret, two fatal occupational accidents happened in the reporting year. We thoroughly analyze the causes of these developments and consistently pursue the zero accident target.
Health of our employees					
Group level: Percentage of ceramic production sites reporting core indicators on protection against exposure to respirable crystalline silica > 95%	2020	98%	No data collected	98%	The target was again met in 2017, including all ceramic production sites newly acquired since 2015. Measures to protect our employees against respirable crystalline silica will be continued and detailed reports will be presented voluntarily every two years.
Production					
Energy efficiency					
North America ²⁾ : Reduction of natural gas consumption at selected production sites by 5% per site as compared to 2015	2017	Reference year	4%	4%	At one main production site the consumption of natural gas was reduced by 4% compared to 2015. It was due to the conversion of selected production sites from high-emission energy sources to natural gas that the defined target of reducing the absolute consumption of natural gas was not fully reached in 2017.
Clay Building Materials Europe: Reduction of specific energy consumption by 20% as compared to 2010	2020	8%	10%	12%	Owing to further successful reduction measures taken in 2017, specific energy consumption in production was 11.7% lower than in 2010.
Pipeline ³⁾ : Reduction of specific energy consumption in production by 20% as compared to 2010	2020	5%	2%	-5%	In 2017, specific energy consumption in production was 5% above the reference value of 2010. The negative value indicates an increase of the specific energy consumption. The steep increase in specific energy consumption is due to the further development in the product mix.
Climate action					
North America ²⁾ : Conversion of all main production sites from coal to natural gas	2017	50%	80%	100%	The North America Division succeeded in converting all remaining active coal-fueled production sites to natural gas in 2017. Thus, the target set for the Division was reached.
Steinzeug-Keramo: Compensation of 5% of the annual CO ₂ emissions generated in the respective plant through climate protection projects	2018	>5%	>5%	>5%	Within the framework of Cradle to Cradle® re-certification in 2017, at least 5% of the annual CO ₂ emissions generated in the respective plant were compensated.
Clay Building Materials Europe: Reduction of specific CO ₂ emissions from primary energy sources by 20% as compared to 2010	2020	0%	2%	4%	In 2017, specific CO ₂ emission from primary energy sources in production amounted to 96% of the value reported in 2013 and were further reduced from the level reported in 2016.
Pipeline ³⁾ : Reduction of specific indirect CO ₂ emissions from electricity in production by 20% as compared to 2010	2020	17%	17%	16%	In 2017, indirect specific CO ₂ emissions from electricity were 1% above the previous year's value. Among other factors, this development was influenced by changes in the product mix.
Water					
Pipeline ³⁾ : Reduction of water consumption from public networks to 0.55 m ³ per ton of products produced	2020	0.66 m ³ /ton	0.81 m ³ /ton	0.95 m ³ /ton	Water consumption from public networks per ton of products produced increased significantly from the previous year's level. This development was influenced by technological aspects and changes in the product mix. Technological optimization measures are being taken. The defined target is maintained.
Resource efficiency and waste management					
Semmelrock: Reduction of scrap rate by 50% as compared to 2014	2017	19.1%	34.0%	45.3%	The target set for 2017 was almost attained. Based on improved technologies, tools and processes, as well as awareness building for resource efficiency among our employees, efforts are being made to further reduce the scrap rate.
Products					
Innovative products					
Clay Building Materials Europe: Share of innovative products in revenues constant at 25%	Every year	27%	26%	31%	The quantitative target set for the Business Unit in 2017 was reached.
North America ²⁾ : 50% share of innovative products in total revenues	2017 and 2018	46%	49%	51%	The quantitative target set for the Business Unit in 2017 was reached.
Pipeline ³⁾ : Share of innovative products in revenues constant at 20%	Every year	21%	20%	19%	The quantitative target set for the Business Unit in 2017 was missed by a narrow margin, as some of the criteria of the definition no longer applied to individual products. A further increase in the share of innovative products in revenues is expected for 2018.
Semmelrock: Share of innovative products in revenues constant at 30%	Every year	39%	37%	38%	The quantitative target set for the Business Unit in 2017 was reached.
Steinzeug-Keramo: Share of innovative products in revenues constant at 35%	Every year	41%	39%	42%	The quantitative target set for the Business Unit in 2017 was reached.
Recyclability, recycling and re-use					
Pipeline ^{3) 4)} : Increase of the share of recycled material per ton of products produced to 70 kg	2020	64.6 kg/ton	65.4 kg/ton	67.2 kg/ton	Compared with the previous year, the share of recycled material per ton of products produced increased by 1.8 kg/ton.
Social responsibility					
Business ethics & compliance					
Group level: Zero incidents of corruption	Every year	0	0	0	As in previous years, no charges were brought against Wienerberger for suspected corruption nor had any penalties to be paid in 2017.

Our Sustainability Roadmap 2020 is a self-imposed commitment to continuously improve our ecological, social, societal and economic performance across the entire value creation process of the Wienerberger Group (diagram on page 20/21).

Essentially, this process is based on four major **value chains**: tiles and bricks, ceramic pipes, plastic pipes and concrete pavers. Along these value chains, about **500 stakeholders** specified those aspects and challenges which they regarded as most important for the Wienerberger Group and its impacts on society (detailed process description on page 19). The results of this **materiality analysis** have been aggregated in our first Group-wide **materiality matrix**, which was published in our 2016 Sustainability Report.

The aspects and challenges which our stakeholders viewed as most important for the Wienerberger Group served as input for the sustainability program for the period from 2017 to 2020 – our **Sustainability Roadmap 2020** (details on page 22). The Roadmap specifies the quantitative targets we want to achieve every year, such as zero accidents or zero incidents of corruption at Group level, or by 2020, at the latest.

The table on this page shows the extent to which we met our quantitative targets by 31/12/2017. For a more detailed overview, including further explanations, please refer to pages 26 to 29.

1) Since 2017, strategic decisions regarding sustainability management at the Pipeline production site in North America have no longer been taken by the Pipeline Business Unit, but by the North America Division. In the reporting period, however, the production site is neither part of Pipeline's nor of North America's Sustainability Roadmap 2020. This change has an impact on the indicators relating to Pipeline's and North America's quantitative targets, but it does not influence the production-related indicators, which are presented by product group. The integration of the production site into the Sustainability Roadmap 2020 is being prepared.

2) North America: excl. Pipeline production site // 3) Pipeline: up to 2016 incl. production site in North America // 4) Re-statement: After publication of the 2016 Sustainability Report, Pipeline reported a higher share of recycled material used in 2016 and the indicator was restated accordingly. // * Accident frequency as a reporting unit defined as: Number of occupational accidents / number of hours worked x 1,000,000; including temporary and agency workers as well as employees under term contracts.