

Quantitative Targets of the Wienerberger Sustainability Roadmap 2020

Target definitions	Dead-lines set	Performance			Status
		2014	2015	2016	
Employees					
Safety of our employees					
Group level: Zero accidents	Every year	12*	8*	7*	In 2016 accident frequency was reduced in all operating segments, the best performing segments reporting values of close to 23% and 31% compared to the previous year. To our greatest regret, two fatal accidents occurred during the reporting year (one of them in a 50% subsidiary). We are consistently pursuing our zero accidents target.
Health of our employees					
Group level: Rollout of respirable crystalline silica measurements to > 95% of ceramic plants by 2020	2020	98%	98%	Target met in 2015	The target was met by the Wienerberger Group, including Tondach Gleinstätten, in 2015. Measures to protect our employees against respirable crystalline silica are being continued.
Production					
Energy efficiency					
North America ¹⁾ : Reduction of natural gas consumption at selected production sites by 5% per site as compared to 2015	2016	Not applicable	Reference year	4%	In 2016 the consumption of natural gas at selected production sites was reduced by 4% compared to 2015. It was due to the conversion of these sites from high-emission energy sources to natural gas that the planned 5% reduction target could not fully be met in 2016.
Clay Building Materials Europe: Reduction of specific energy consumption by 20% as compared to 2010	2020	13%	8%	10%	In 2016 specific energy consumption in production was almost 10.5% below the value reported in 2010.
Pipeline ²⁾ : Reduction of specific energy consumption in production by 20% as compared to 2010	2020	2%	5%	2%	In 2016 specific energy consumption in production was 2% below the reference value of 2010. The increase in specific energy consumption compared to 2015 is due to lower capacity utilization at some production lines and changes in the product mix.
Climate action					
North America ¹⁾ : Conversion of all main production sites from coal to natural gas	2016	Not applicable	50%	80%	In 2016 80% of the production lines at all main production sites were converted from coal to natural gas. Converting all main production sites was not possible due to higher customer demand.
Steinzeug-Keramo: Compensation of 5% of the annual CO ₂ emissions generated in a plant through climate protection projects	2017	>5%	>5%	>5%	Within the framework of Cradle to Cradle® recertification in 2016, 5% of the 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	5%	0%	2%	In 2016 specific CO ₂ emissions from primary energy sources in production amounted to 98% of the value reported in 2013.
Pipeline ²⁾ : Reduction of specific indirect CO ₂ emissions from electricity in production by 20% compared to 2010	2020	Not applicable	17%	17%	For comparison's sake, the national conversion factors for indirect CO ₂ emissions in 2015 were used.
Water					
Pipeline ²⁾ : Reduction of water consumption from public networks to 0.55 m ³ per ton produced	2020	0.62 m ³ /ton	0.66 m ³ /ton	0.81 m ³ /ton	Water consumption in plastic pipe production increased in 2016 as a result of singular events. Specific water consumption from public networks accounted for 15.8% of specific total water consumption in this product group.
Resource efficiency and waste management					
Semmelrock: Reduction of scrap rate by 50% as compared to 2014	2017	Reference value	19.1%	34.0%	In 2016 the scrap rate amounted to 3.1%, compared to 4.7% in 2014.
Products					
Innovative products					
Clay Building Materials Europe: 25% share of innovative products in revenues	Every year	Not applicable	27%	26%	In 2016 the business-unit-specific quantitative target regarding the contribution of innovative products to revenues was met.
North America: 50% share of innovative products in revenues	2017	Not applicable	46%	49%	In 2016 the definition of innovative products was adopted and a new business-unit-specific target was defined.
Pipeline: 20% share of innovative products in revenues	Every year	Not applicable	21%	20%	In 2016 the business-unit-specific quantitative target regarding the contribution of innovative products to revenues was met.
Semmelrock: 30% share of innovative products in revenues	Every year	Not applicable	39%	37%	In 2016 the business-unit-specific quantitative target regarding the contribution of innovative products to revenues was met.
Steinzeug-Keramo: 35% share of innovative products in revenues	Every year	Not applicable	41%	39%	In 2016 the business-unit-specific quantitative target regarding the contribution of innovative products to revenues was met.
Recyclability, recycling and re-use					
Pipeline ²⁾ : Increase of the share of recycled material per ton of products produced to 70 kg	2020	58.9 kg/ton	64.6 kg/ton	64.6 kg/ton	On account of the product mix, the percentage of recycled material used per ton of products produced in 2016 remained the same as in 2015.
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 2016.

1) North America: excl. Pipeline production site // 2) Pipeline: incl. production site in North America

* Accident frequency defined as a reporting unit: Number of occupational accidents/number of hours worked x 1,000,000; including agency and temporary workers as well as employees under term contracts.

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 26/27).

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 28/29). The results of this **materiality analysis** have been aggregated in our first Group-wide **materiality matrix** (diagram on page 30/31).

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 2016 to 2020 – our **Sustainability Roadmap 2020** (details on page 32). 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 31/12/2016. For a more detailed overview, including further explanations, please refer to page 36/37.