

Name 1	CHIMENEA HORNO CERMAK -SPIREK
Name 2	HEARTH OF THE CERMAK-SPIREK FURNACE
ID number	001.152.Almadén
Manager / Administrator	Javier Carrasco Milara, Cerco San Teodoro, s/n. Almadén (Ciudad Real)
Ownership	Public
Institution	Minas de Almadén y Arrayanes, S.A
Local / Original ID Number	001.001.003.222
Type of Object	Smelting

DESCRIPTION

Short description	"This hearth, 24.25 metres high and with a floor area of 12.9×14.5, is made of brick and is the only thing that remains of some continuous production furnaces (Čermak-Špirek) that were installed in 1906 and were used to treat mineral of fine size called ""bacisco"". They consisted of a mobile grill and, in order that there were no jams inside the furnace, there were several rows of vertical and horizontal bricks. The heat was supplied from below, fire was distributed throughout the mineral and steam left upwards. These were simple furnaces, but with good use of heat and low maintenance. "
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Measures	"24.25 metres high area of 12.9×14.5 metres"
Materials	Brick
Dating	1906
Author / Producer	Minas de Almadén

Illustrations

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Original use	Cinnabar roasting (mercury metallurgy)
Present use	Museum
Original location	Cerco de Destilación (Smelting Furnace)
Present location	Mining Park, Cerco de Destilación

STATE OF CONSERVATION

History of conservation:	
Present state	good
Necessary activities:	

DOCUMENTATION

Addresses /collections/links etc. where further in-depth information is accessible:	www.parqueminerodealmaden.es
Submitted	AYUNTAMIENTO ALMADEN
Submitted by	Águeda Moyano & Alicia Escudero
Date Submitted	28. 4. 2022

Date Edited

Never
