



## SOUND INSULATION PROVIDING ADDED COMFORT ON THE AMSTERDAM NORTH/SOUTH METRO LINE

**Location:** Amsterdam, Netherlands, 2017

**Product(s) used:** Heraklith Tektalan A2 boards and Heraklith A2 Deco panels

**Building:** Metro stations on the new Amsterdam North/South Metro line

**Clients:** Gemeente Amsterdam (Amsterdam Municipality). The Heraklith panels have been supplied by Van Wijngaarden + Co BV and mounted by Verwol.



CEILING



WALLS

### Challenge:

The new Amsterdam North-South metro line (Noord/Zuidlijn) will halve current travel time between Buikslotermeerplein in the north and the South Station, cutting it to just 16 minutes.

However, trains arriving and leaving the stations every four minutes during peak periods, cause a considerable amount of noise. Good sound insulation properties are therefore required to provide quieter metro stations and a more comfortable travel experience for passengers.

### Solution:



ACOUSTIC



ECO-FRIENDLY



DURABLE



FIRE SAFE



THERMAL

Heraklith Tektalan A2 board and Heraklith A2 Deco panel were chosen because they fully met the sound insulation requirements, at the same time as having an A2 reaction to fire classification.

The Tektalan A2 board is a two-layer mineral bonded wood wool board combined with rock mineral wool. It provides excellent fire resistance as well as high thermal and acoustic insulation performance.

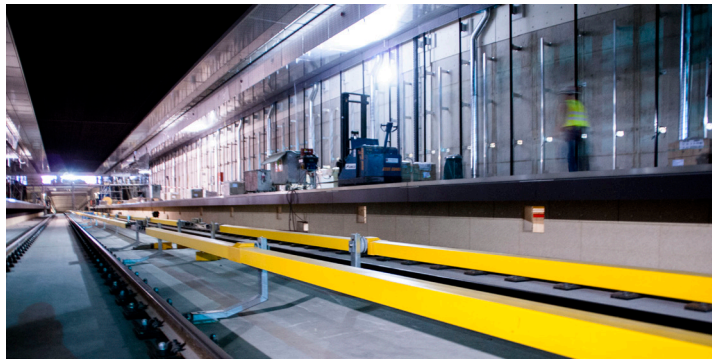
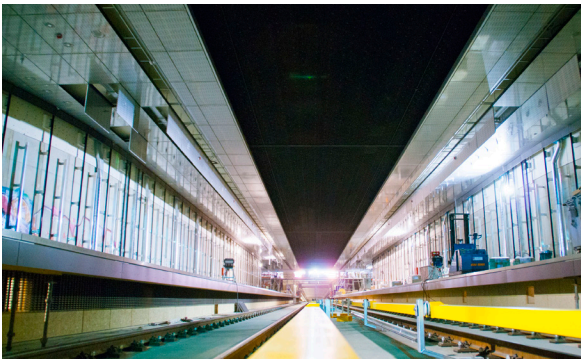
The Heraklith A2 Deco panel is a large mineral bonded wood wool board which can be applied to ceilings and walls. It combines excellent noise absorption qualities with an A2 reaction to fire classification. The panels are made of natural materials that work together to absorb sound. They are perfect for lining walls and ceilings, anywhere internally and externally where sound is echoed. Because of their attractive finish and wide range of possible colours they are often used in high-end public spaces, offices and homes.





For the North-South metro line, Heraklith panels have been mainly used underneath the platforms to provide sound absorption and extra sound dampening. At Amsterdam Centraal metro station they have also been used outside and in the ceilings of the mid platforms. At the De Pijp metro station they have been used for the ceiling.

The project for the new North South Metro Line in Amsterdam has been prepared and executed by the team of companies Verwol, Van Wijngaarden and Heraklith who have a relationship of long standing and of mutual benefit while sharing knowledge.



MORE INFORMATION: [www.heraklith.com](http://www.heraklith.com)

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Commercial use of the processes and/or work activities presented in this document is not permitted. Extreme caution was observed when putting together and processing the information, texts and illustrations in this document. Nevertheless, errors cannot quite be ruled out. The publisher and editors cannot assume legal responsibility or any liability whatever for incorrect information and the consequences thereof. The publisher and editors will be grateful for improvement suggestions and details of possible errors pointed out.

Heraklith® is a registered trademark of

**KNAUF**INSULATION