



## Technical Fact Sheet

Commercial Name: AIRphalt R 0/8

Preparation date: 10.09.2013, Version 1



HEALS ROADWAY WOUNDS

### Description

**AIRphalt R 0/8** is an innovative, newly developed, reactive-hardening high-performance asphalt for the repair of traffic roads and parking spaces made of concrete or asphalt for all kinds of loads.

It consists of a hard rock mixture with grain size 0/8 and a reactive-hardening binder system based on bitumen and sustainable raw materials.

Due to its large granular size, **AIRphalt R 0/8** can be used for repairs having a minimum depth of 2 cm.

**AIRphalt R 0/8** is 100% free of solvents and hardens analogous to conventional hot-mix material; it is fully recyclable

**AIRphalt R 0/8** hardens very quickly and adheres tightly to existing asphalt and concrete surfaces.

**AIRphalt R 0/8** also adheres to a moist sub-surface

**AIRphalt R 0/8** is very easy to process and can be driven on immediately after installation. **AIRphalt R 0/8** has a very high resistance, comparable to conventional hot asphalt. **AIRphalt R 0/8** can also be installed at temperatures below 0 °C.

**AIRphalt R 0/8** is especially suitable for repair of high-stress traffic surfaces

### Application

**AIRphalt R 0/8** can be installed by one person under nearly any weather conditions, without the need for large-scale equipment. **AIRphalt** is particularly suitable for:

Repair of impact holes and freeze cracks having a minimum depth of 2 cm

Filling of bore holes after taking of core samples

Production of access ramps

Filling of small trenches, for example, after pipeline repair

### Processing

#### Sub-soil

The sub-soil should be firm and free of loose material. The surface should be free of rough contamination or dust, and free of standing water and ice. The repair site should be dry, or can be slightly moist.

#### Installation

Shake **AIRphalt R 0/8** directly from the bucket into the repair site, or scatter it with a shovel or trowel from the bucket into the damaged site.

Pack the **AIRphalt R 0/8** to conform to the repaired area, and slightly heaped (0 – 10%)

Compact the **AIRphalt R 0/8** with a suitable tool (stamper, vibrating plate compacter, roller ...).

Surfaces larger than 0.5 m<sup>2</sup>, or those exposed to high shear stresses should be moistened with water after application of **AIRphalt R 0/8**

**AIRphalt R 0/8** can be driven on immediately after compacting or moistening (as necessary).

### Consumption

About 25 kg of **AIRphalt** is needed per 1 cm thickness and 1 m<sup>2</sup> surface area. On uneven subsoil the quantities consumed vary slightly

To estimate the quantity of material consumed, see also the **AIRphalt** Consumption Table.



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## Storage

**AIRphalt** can be stored for up to 6 months in the sealed container. **AIRphalt** is not freeze-sensitive. For better processing, **AIRphalt** should be stored at temperatures above +10 C°.

Opened containers cannot be re-stored, because opening the container begins the hardening process.

## Storage conditions

**AIRphalt** should be stored cool and dry in original, sealed containers. Keep **AIRphalt** from direct sunshine and moisture during storage.

## Packaging

**AIRphalt** is packed in polypropylene containers with an interior polypropylene bag. Each container hold a net of 25 kg. A total of 32 containers are stacked on a pallet. Each pallet holds a net weight of 800 kg.

The empty containers can be recycled at any ARA acceptance point.

Follow the specific disposal instructions for handling of the inner PP bags.

## Environmental Factors

**AIRphalt** is 100% free of solvent

Hardened **AIRphalt** is fully recyclable and can be treated equivalent to conventional hot mix material for disposal. The binder is not water-soluble, contains no tar or coal tar pitch or any chlorohydrocarbons

The above data conforms to our most recent findings. No warrantee is stated or implied for your particular application, and no liability can be assumed for any advice or statements made by our employees. Our employees can provide solely a non-binding consulting service. Construction supervision, conformance with construction regulation and of recognized engineering requirements remain exclusively with the user, even in the event that our employees are present on the job site. Please observe all official regulations and applicable law, and any lawfully protected third-party rights.

Additional information and the Material Safety Data Sheet are found at [www.airphalt.at](http://www.airphalt.at)

## We will be happy to answer your questions

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