



Ardaflex® Multi

MULTI-PURPOSE 1C HYBRID

TECHNICAL DATA SHEET

SMART PRODUCT ADVANTAGES

- On wall and floor surfaces
- On metal, aluminium, steel
- Ready for use
- For universal use
- Very good adhesion



PRODUCT DESCRIPTION

Ardaflex Multi is a one-component, moisture curing hybrid-multi-purpose adhesive on the basis of SMP-technology.

- Suitable for laying ceramic tiles and plates on indoor wall and floor surfaces. Applicable for industrial production.
- As adhesive on small surfaces for the repair of parquet, tile and carpet floorings.
- For bonding of, for instance, PU foam plates, rigid foam plates, stone wool, etc.
- For laying metal tiles on absorbent and non-absorbent substrates
- For bonding of metal plates on magnetic walls

Ardaflex Multi is highly elastic with very high initial adhesion and very good adhesive characteristics, also on non-absorbent substrates. Especially applicable for laying of ceramic tiles on degreased metal, aluminium, and steel substrates.

Ardaflex Multi reduces impact noise and room sound in connection with ceramic tiles and plates. Ardaflex Multi is a very low-emission adhesive as per GEV-EMICODE EC 1R plus, and is free from solvent as well as odourless.

FIELDS OF APPLICATION

Laying of ceramic tiles and plates with smooth or structured rear side on stone, ceramics, cement fibre slabs, steel, aluminium, building boards, wood based panels, chipboards V100, OSB plates class 3, polished epoxy-resin coatings, kitchen work desks, etc. Furthermore, natural stone and concrete plates as well as calibrated natural stone types, not translucent and not sensitive to discolouration, can be laid with Ardaflex Multi. Also applicable for laying "tile on tile".

PREPARING THE SUBSTRATE

The surface must be plane, permanently dry, clean, free from cracks, and resistant to tensile and pressure forces. If necessary, remove rust or grease from metals.

Due to the very good bonding characteristics of Ardaflex Multi, this multi-purpose adhesive can be applied directly on the prepared substrate without using a primer.

INSTRUCTIONS FOR USE

The adhesive should have a temperature of at least 18°C.

After opening, pull off the protective film and, if necessary, remove the skin that has possibly been formed on the surface. Do not mix it in.

Do not apply Ardaflex Multi at component or ambient temperatures below + 10 °C.

Apply Ardaflex Multi on the substrate using a notched trowel. The tile flooring is laid into the adhesive bed within 40 minutes and is firmly pressed down.

Because the adhesive needs humidity for curing, it is preferred to wipe over the rear sides of the tiles with a damp sponge before laying on non-absorbent substrates, for instance on metal. Immediately remove adhesive spillage from ceramic flooring, e.g. using spirit.

Observe the instructions given by the parquet manufacturers, paying particular attention to laying instructions and the suitability of tiles for bonding.

The ceramic floorings laid with Ardaflex Multi can be pointed after 12 hours depending on the joint width and depth using commercial joint mortar, e.g. Bostik Premium Fuge, Flex Fuge or Maxi Fuge.

STORAGE

Shelf-life is 6 months in the sealed original packaging.
Store in a cool, dry place between 5 °C and + 25 °C.

PACKAGING

15 kg plastic bucket

GISCODE

RS 10 (These adhesives are substitute substances for highly solvent based laying materials whose workplace limits are exceeded when processed. (GISCODE S 1 - S 6))

GEV-EMICODE

EC1R, very low emission



TECHNICAL SPECIFICATIONS AND DATA

Material base	Silane modified polymers (SMP)
Colour	Grey-white
Viscosity	Easy to spread/non-slump
Specific weight	approx. 1.55 g/m ³
Laying time	approx. 40 minutes
Conditions of processing	Best applied at a temperature between + 18 °C and + 23 °C; substrate temperature must be at least + 10 °C; Not above 65 % rel. humidity.
Can be walked on/loadable	after approx. 12 hours, depending on ambient conditions
Pointing	after approx. 12 hours
Fully loadable	after approx. 7 day
Consumption, trowel notch size	approx. 1.2 kg/m ² , 4 x 4 x 4 mm (C 1) approx. 1.3 kg/m ² , 6 x 6 x 6 mm (C 2)
Cleaning agents	for not cured adhesive, e.g. Bostik Solvent 250
Suitable for use on underfloor heating	Yes – Consider the applicable leaflets and the additional instructions issued by the Zentralverband des deutschen Baugewerbes.

These instructions reflect the extent of our current knowledge and are the result of extensive testing and practical experience. Due to the large number of the possible applications and storage and processing factors over which we have no control, we cannot guarantee good results in each individual case. We recommend testing the product first before final application. Slight discolouration of sealants can occur under UV-radiation. Slight colour differences between the batches are possible through the production process. No liability can be accepted for absolute colour fidelity. Use material of the same charge-number for a building object. Our technical and commercial advisory service will be pleased to answer your queries.

This data sheet supersedes all previous issues.

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