

# Outline Specification

## **Mapei Adesilex G19 Two-Component Epoxy Polyurethane adhesive.**

### **Introduction**

This specification is for the application of Mapei Adesilex G19 is a two-component adhesive made from epoxy-polyurethane polymer, component A, and a special hardener, component B.

### **Surface Preparation**

Substrate must be of sound construction, clean, laitance and contamination free, smooth, flat, dry and contain an effective structural damp proof membrane.

### **Application**

Specifically developed for the installation of rubber athletic tracks. Also suitable as a universal adhesive for rubber, PVC and all common resilient and textile floorcovering types, especially in the event of extreme solar gain, high mechanical stress (forklifts etc).

### **Application Examples**

Rubber athletic tracks and multisport flooring on asphalt, recycled rubber shock-absorbent flooring on asphalt in playgrounds, resilient flooring for indoor sports flooring, onto waterproofing fiberglass underlays, such as Mapei Mapelay, homogeneous and heterogeneous PVC, sheets and tiles, CV floor coverings, LVT, semi-flexible quartz floor tiles (VTC), textile floor coverings with all common backings (latex-primed, PVC and polyurethane foam, natural jute, and Action-Bac® backed carpets etc), needlepunch woven flooring in latex, flocked textile flooring, linoleum with all kind of backings, polyolefin-based and chlorine free floor coverings and PUR floor coverings.

### **Application Procedure**

Mix the two-components of the Adesilex G19 in the pre-measured proportions, blend the two components together with a mechanical mixer until an even paste is achieved. Apply the adhesive using a suitable notched trowel dependant on the type and backing of flooring material.

### **Installing the Flooring**

Only apply as much adhesive as can be covered within the open time (60 minutes). Apply the Adesilex G19 with the appropriate notched trowel for the type and backing of the flooring being installed. Place the floor covering into the still wet adhesive bed; the adhesive ridges must be compressed. Take care to avoid air pockets and carefully rub the floor covering down to ensure good adhesive transfer to the backing. Avoid excessive stresses at the seams. After installing the floor covering it is always necessary to roll it or to firmly rub it. If the flooring is not perfectly flat, put weights (such as bags of sand) on uneven areas, and on the joints and roll ends.

<b>External Application</b>	Extra care must be taken when installing external flooring if there are high temperatures or high variations in temperature and the installation should be carried out during the cooler hours of the day.	
<b>Coverage</b>	Consumption varies according to the trowel size selected for use based upon flatness of the substrate and the type of backing on the flooring material  Trowel No. 1 or TKB A1/A2 – 350 - 450 g/m <sup>2</sup> Trowel No. 2 or TKB B1/B2 - 450 - 550 g/m <sup>2</sup> Trowel No. 3 or TKB C1 - 550 - 750 g/m <sup>2</sup> Trowel No. 4 - 750 - 1000 g/m <sup>2</sup>	
<b>Size</b>	10kg, 5kg and 2kg kits	
<b>Shelf life</b>	Stored for 12 months, in its original, well-sealed packaging in a dry place protected from frost.	
<b>Additional system components</b>	Latexplan Trade Latexplan No Ammonia Ultraplan Renovation screed 3240 Mapeproof One Coat Mapeproof Primer Mapeproof 1K Turbo	Latexplan Trade Fast Ultraplan Eco 3210 Mapeproof ESM Planipatch Xtra Planiprep Fix
<b>Additional information</b>	Please consult Health & Safety, product and application data or contact our Technical Services Department on 0121 5086970 or email <a href="mailto:technical@mapei.co.uk">technical@mapei.co.uk</a> .  If you require a full NBS, letter recommendation, further specification information or standard details, please email <a href="mailto:specifications@mapei.co.uk">specifications@mapei.co.uk</a>	

**Technical Information:**

Mapei Adesilex G19 is a two-component epoxy-polyurethane adhesive and when the two components are mixed together, they form an even coloured paste which is easy to apply. After setting (approx. 24 hours), which takes place by means of a chemical reaction without any shrinkage Adesilex G19 becomes tough and resistant to moisture, water, heat and atmospheric agents, and adheres extremely well to almost all materials used in the building industry.

## TECHNICAL DATA

	Component A	Component B
<b>Consistency:</b>	Thick Paste	Fluid Paste
<b>Colour:</b>	Beige, Red, Green & Black	Transparent
<b>Unit Size:</b>	10kg, 5kg, 2kg	
<b>Density: (g/m<sup>3</sup>):</b>	1.5	0.92

## APPLICATION DATA (at 23°C – 50% R.H.)

<b>Mixing Ratio:</b>	Component A : Component B = 94 : 6
<b>Density of Mix: (g/m<sup>3</sup>):</b>	1.450
<b>Pot Life of Mix:</b>	50-60 minutes
<b>Application Temperature Range:</b>	+10°C to +30°C
<b>Open Time:</b>	60 minutes
<b>Adjustment Time:</b>	90 minutes
<b>Initial Setting:</b>	9 hours
<b>Final Setting:</b>	10 hours
<b>Set to Light Foot Traffic:</b>	12- 24 hours
<b>Ready for Use:</b>	72 hours

## FINAL PERFORMANCE DATA

<b>Temperature when in Service:</b>	From -40°C to +100°C
<b>Resistance to Moisture:</b>	Excellent
<b>Resistance to Ageing:</b>	Excellent
<b>Resistance to Solvents and Oils:</b>	Good
<b>Resistance to Acids &amp; Alkalis:</b>	Good
<b>Peel Adhesion at 90° according to EN 1372 After 14 Days at +23°C (N/mm)</b>	Rubber: >3 (floor-covering failure) PVC: >3 (floor-covering failure)

**NOTICE**

The information contained herein and any other advice, are given in good faith based on Mapei's current knowledge and experience, and are adequate when the products are properly stored, handled and applied under normal conditions, in accordance with Mapei's recommendations. The information only applies to the applications and products expressly referred to herein and are based on laboratory tests which do not replace practical tests and may not fully reflect actual performance on site where application and service conditions will be different. In case of changes in the parameters of the application, such as differences in substrates, temperature and ambient moisture, etc., or in case of different service conditions, consult your local Mapei Technical Assistance prior to using the products. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The specialist contractor is responsible for strictly following the application recommendations contained in the available documentation. Users must always refer to the most recent local Technical Data Sheet for the product concerned which can be obtained from the web-site or local Mapei representative.