# Technical Data Sheets (TDS)

HAYPERFLEX

SUPER 2K

## Description

Hydraulic cement-based, two-component, highly elasti
suitable for application to damp surfaces. After mixing t
components, it reaches a spreadable consistency and is
concrete and plaster using a brush. Suitable for damp s
and successfully bridges hairline cracks in the load-bea
strongly to concrete, screed, mosaic, and similar minera
not separate over time.




## Areas of Application

Suitable for indoor and outdoor use, water storage tank
vertical and horizontal applications, insulation of terrac
balconies, foundation insulation and retaining walls, wa
ceramic tiles, and in wet areas (bathroom, toilet, showe

## Technical Specifications

| | |
|---|---|
| Appearance | Component A: powder / Component B: liquid |
| Colour | White, gray |
| Powder component density | 1,5 kg / lt |
| Liquid component density | 1,03 kg / lt |
| Density A+B mixture | ~ 1,70 / 1,90 kg/lt |
| Application Temperature | Between +5°C and +35°C |
| Application methods | Roller – brush |
| Consumption (Average) | 2-3,5 kg/m2 |

## Advantages

It is a two-component, solvent-free material. It is an easy-to-apply, elastic material. It has the ability to cover hairline cracks. It provides seamless and jointless waterproofing. It retains its initial properties for years. Because it is permanently elastic, no cracking occurs on the applied surfaces later. It is walkable after curing.

## Surface Preparation

The surfaces to be coated must be dry or slightly damp. Perform an adhesion test before applying to damp surfaces. Wetting should be done 24 hours before application and again 2 hours before, by fully saturating the surface with water. Care should be taken to prevent water accumulation on the surfaces. Application should not be done on surfaces where water or salt efflorescence is observed from the negative side. Ensure the application surface is fully cured. The application surface must be free of adhesion-preventing substances such as dust, oil, tar, bitumen, paint, silicone, curing agents, detergents, and mold release agents. Weak parts of the concrete should be repaired, poorly adhering plasters should be removed, the surface should be made smooth and sound, and static cracks in the building should be repaired with Hayper Latex plaster or flexible mortar/repair mortar. Dynamic (moving) cracks should be repaired with appropriate MS, Hybrid, and polyurethane sealants. Water leaks should be sealed with Hayper Plug. In applications on horizontal surfaces, care should be taken to ensure that sufficient slope is provided and that the slope is in the direction of water drainage.

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## Consumption

Moisture protection (2 coats): 2.0 kg/m² Non-pressurized water protection (2 coats): 3.0 kg/m² Pressurized water protection (2-3 coats): 4.0 kg/m²

## Application Information

Sharp edges should be properly beveled. Non-absorbent glossy surfaces should be roughened mechanically before primer application. The surface should be primed with CONCENTRATED PRIMER, and the primer coat should be allowed to dry for 2-3 hours. The SUPER-2K mixture is applied to the primed surfaces in at least two coats. Complete drying should be allowed between coats (at least 2-3 hours). Application is done in 2 or 3 coats. Coats should be applied homogeneously and evenly, and application should be done in the same direction for each coat. The layer thickness after application should be between 2-3 mm. Avoid haphazard and irregular applications. The ambient and surface temperature should be between +5°C and +30°C during application. The fresh coating should be protected from rain and water until it is completely dry. Do not add any external substances. Application is done with a brush, roller, or spray gun. At least two coats are required. Allow 2-3 hours between coats. Final curing takes 7 days. The liquid component (10 kg) is transferred to a clean container of suitable size. The powder component HAYPER SUPER-2K (20 kg) is added while continuously stirring. Stirring should continue for approximately 3 minutes. In hot and/or windy environments, or when applying to highly absorbent surfaces, add clean water to the mixture (no more than 2 liters) and stir until a homogeneous consistency is achieved. Stirring must be done using a low-speed mixer (400 rpm) and a mixing attachment. The result of the mixing process is a homogeneous, lump-free, and spreadable mortar. NOTE: Adding more water to the mixture may cause sedimentation in the mixing bucket and negatively affect the product quality.

## Points to Consider

During application, the ambient conditions described under DIN 1045 must be observed. In extremely hot, very windy conditions or during freezing, necessary precautions must be taken, and fresh application layers must be protected from rain and water for at least 24 hours. If application to hot surfaces is unavoidable, the surfaces must be cooled with water before application.

Application should not be carried out at temperatures below +5°C or if the temperature is expected to fall below +5°C within 24 hours following application. Application should not be carried out on wet or frozen surfaces. Especially in applications on flat roofs, ensure that a correct and sufficient slope (minimum 5%) is provided. Ensure that there are sufficient and properly placed drainage systems on the roof. Under no circumstances should water accumulation be allowed.

## Packaging

B COMPONENT 10 kg PE JAIL BOX A COMPONENT 20 KG KRAFT BAG

## Shelf life

Powder component: Store in a dry and cool place in its original packaging. It has a shelf life of 12 months. Liquid component: Store in a dry and cool place (at temperatures above +5°C), unopened in its original packaging. Do not leave in the sun and protect from frost. It has a shelf life of 12 months.

## Health and Safety

As with all chemical products, contact with food, skin, eyes, and mouth should be avoided during use and storage. In case of contact, wash immediately with plenty of soap and water; if swallowed, seek medical attention immediately. During application, appropriate work clothing, protective gloves, goggles, and a mask should be used in accordance with occupational health and safety regulations. Food and beverage materials should not be brought into application areas. Do not approach storage and application areas with fire. Application areas should be well ventilated. Store out of reach of children.

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The application instructions and technical values given for the products have been obtained in accordance with international standards and our experience under ambient conditions of 23±2°C temperature and 50±5% relative humidity. These values may vary depending on ambient conditions. High temperatures shorten the application times, while low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the intended application and purpose. HayperFlex Kimya Sanayi ve Ticaret A.Ş. is not responsible for application errors that may occur due to the use of the product outside of its intended purpose or failure to comply with the application conditions and recommendations mentioned above. This Technical Data Sheet remains valid until the next revision is published. HayperFlex Yapı Kimyasalları reserves the right to change the values stated in this Technical Data Sheet, provided that a new version is published. It is the user's responsibility to check the currency of the document. For more information, please contact our sales department. This guide has been prepared to provide general information and show general technical details regarding the use and application of our products, which can be used in a wide range of different areas. This information reflects the knowledge and experience of our company and is advisory in nature. The information given here, and in particular the recommendations regarding application and end use, is provided in good faith and covers normal conditions and situations where the products are stored, handled and applied under the recommended conditions. Products, application surfaces, application areas and application conditions vary considerably in practice. Therefore, when using the products, it is necessary to ensure that you are applying the correct product, under the correct conditions and in the correct place. HayperFlex Construction Chemicals does not accept any responsibility or guarantee regarding the application result as it cannot control the conditions under which its products are used. The information given here or any verbal/written information given by HayperFlex Construction Chemicals employees is purely advisory. The fact that the application area has been visited by HayperFlex Construction Chemicals employees does not impose any supervisory/supervisory responsibility on HayperFlex Construction Chemicals. The user of the product must test the suitability of the product for the application and purpose for which they intend to use it. HayperFlex Construction Chemicals reserves the right to change the specifications of its products without notice. All orders are accepted subject to our current terms and conditions regarding sales and shipping. Users should always refer to the latest edition of the local Product Technical Data Sheet, which can be obtained from HayperFlex Construction Chemicals. The product buyer must act prudently and prioritize their own interests and property rights; indeed, they are responsible for doing so. This guide applies only to HayperFlex Construction Chemicals products and is not applicable to products from other companies. For matters requiring technical support and deemed appropriate by us, only our company's written statements are considered authoritative. This technical document is valid until a new edition is published and supersedes previous editions.

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