



# Turf Glue MN 50

2 Component Turf Adhesive for  
Hockey and Multipurpose Floors

Pack Size  
10Kgs

TDS  
Technical Data Sheet



## Product Overview

Turf Glue MN 50 is a high-performance, solvent-free, two-component polyurethane adhesive specifically formulated for the installation of synthetic turf sports surfaces. This adhesive is designed to provide superior bonding strength and durability, making it ideal for high-impact sports applications such as hockey, soccer, and multi-purpose floors.

## Uses

- Indoor and outdoor installation of synthetic turf surfaces
- Bonding seaming tapes for synthetic turf systems
- Installation of artificial turf for hockey, soccer, and other sports
- Application on prefabricated rubber mats for multipurpose sports surfaces

## Technical Characteristics

Turf Glue MN 50 consists of two pre-dosed components: Part A (thick paste) and Part B (fluid hardener). Once mixed, the adhesive provides a uniform and easy-to-apply consistency. The special formulation allows for application on damp surfaces while ensuring excellent tensile and tear strength. Turf Glue MN 50 meets FIFA and other international sports surface requirements.

## Preparation and Application

### Substrate Preparation

- The surface must be structurally sound, dry, and free from dust, grease, oil, or any contaminants that may affect adhesion.
- Any standing water on the surface must be removed before applying the adhesive.
- Ensure that the artificial turf is properly unrolled and acclimatized before installation.

### Mixing

- Turf Glue MN 50 is supplied in pre-measured containers with a mixing ratio of 90:10 (Part A to Part B by weight).
- Stir Part A thoroughly before adding Part B.
- Use a low-speed mechanical mixer (300–400 rpm) and mix for 3–5 minutes until a uniform consistency is achieved.
- Do not mix partial quantities, as incorrect mixing proportions may affect curing and performance.

### Application

- Apply the mixed adhesive evenly over the entire width of the seaming tape using a notched trowel.
- Lay the artificial turf onto the adhesive within 40–45 minutes after mixing.
- Apply mechanical pressure using a roller to ensure complete adhesion between the turf backing and the substrate.
- Turf Glue MN 50 can also be used for bonding high-performance prefabricated rubber mats.

## Curing Time

- Initial setting: 2 hours
- Final setting: 4 hours
- Foot traffic: 12–24 hours
- Full cure: 7 days

## Technical Data

Property	Component A	Component B	Mixed Product
Consistency	Thick paste	Fluid liquid	Uniform paste
Color	Green	Brown	Green
Density (g/cm <sup>3</sup> )	1.70 ± 0.05	1.2 ± 0.01	1.60 ± 0.05
Dry Solids Content (%)	100%	100%	100%
Mixing Ratio	-	-	90:10 (by weight)
Pot Life	-	-	30 minutes
Open Time	-	-	40–45 minutes
Application Temperature	-	-	0°C to +35°C
Shear Strength (EN 12228)	-	-	>1500 N
Peel Strength (EN 13744)	-	-	>1500 N

## Consumption

The adhesive consumption depends on the width of the seaming tape and the application method:

- 40 cm wide tape: 0.4–0.5 kg per linear meter (5 kg for 10 meters)
- 30 cm wide tape: 0.3–0.4 kg per linear meter (4 kg for 10 meters)
- Rubber mat installation: 1–2 kg per square meter, depending on substrate type

## Recommendations

- At temperatures above +35°C, pot life may be significantly reduced.
- Do not mix partial quantities to avoid improper curing.
- Store Component B above +5°C to maintain optimal performance.
- Use Ultrabond Turf Catalyst for applications between 0°C and +5°C to accelerate curing.

## Cleaning

- Clean all tools and application equipment immediately after use with a suitable solvent.
- Once hardened, the adhesive can only be removed mechanically.

## Packaging

- Turf Glue MN 50 is available in 5 kg and 10 kg plastic drums.

## Storage and Shelf Life

- Shelf life: 12 months if stored in its original sealed containers in a dry, temperature-controlled environment.
- Avoid prolonged exposure below +5°C to prevent degradation.

## Safety and Handling

- Use personal protective equipment (PPE) such as gloves, safety goggles, and masks during application.
- Work in a well-ventilated area to minimize exposure to fumes.
- In case of skin contact, wash immediately with soap and water. • If the adhesive comes into contact with the eyes, rinse thoroughly with water and seek medical attention.

## Compliance and Certification

- Meets FIFA Quality Standards for synthetic turf installation.
- Compliant with EN 12228 and EN 13744 for sports flooring applications.
- Low VOC formulation ensuring environmental sustainability.

## Pack Size

10Kgs



## Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

## Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

## Legal Disclaimer

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.