

Active Play AS H 8008(w)_LF



DATE: 21.01.2026

TDS NUMBER: STW-103/KR SHP/01

PZZ.02B.F10 TECHNICAL DATA SHEET (SEMI-FINISHED PRODUCT)

TECHNICAL DATA SHEET

1. CHEMICAL COMPOSITION

Prepolymer based on diphenylmethane diisocyanate (MDI).

2. TECHNICAL REQUIREMENTS

NCO content, % (m/m)	9,0 – 10 (PN-EN 1242:2013-06)
Dynamic viscosity at 25°C, mPas	2000 – 4000 (ASTM D4878-23, met. A)
Appearance at 25°C	liquid, colorless to amber yellow

3. APPLICATION

The one-component polyurethane prepolymer adhesive with good bond stiffness while maintaining flexibility. It does not contain volatile organic solvents. ACTIVE PLAY AS H 8008(w)_LF is a more reactive version of ACTIVE PLAY AS H 8008_LF. This adhesive is used to create surfaces for playgrounds, fitness centers, and gyms using SBR and EPDM rubber granules.

4. RECOMMENDED PROCESSING CONDITIONS

Adhesive consumption ranges from 5 to 20%, depending on the amount of granulate and the SBR or EPDM fraction used. Higher temperatures and humidity shorten the curing time, but too low a temperature can significantly prolong the curing time. To accelerate the curing process, spraying a small amount of water, a catalyst, or solutions of both can be used. Dry rubber granulates, such as SBR or EPDM, should be thoroughly mixed with the adhesive in a suitable mixer. The quality of the application depends on the correct selection of granulate. Ensure that the rubber granules are fully compatible with the adhesive. Using the wrong granulates will limit or even prevent the adhesive from curing. Application properties depend on the particle size of the rubber granulates (fractions), the composition, and the amount of one-component polyurethane adhesive.

COMMENTS

Polyurethane adhesives are made from aromatic isocyanates based on diphenylmethane diisocyanate (MDI), which contain a structure of unsaturated (aromatic) bonds. Their film is not resistant to UV light and may cause color change when using light-colored EPDM granules. This behavior is typical of all adhesives of this type. It should be noted that EPDM granules also affect color stability.

When installing playground surfaces or outdoor sports surfaces, ensure appropriate application conditions. Do not begin work without first checking the weather forecast.

Do not start work in the following cases:

- when the substrate temperature is less than 3°C below the current dew point,
- when the ambient temperature exceeds 30°C,
- immediately after precipitation (rain, snow, or hail),
- or during precipitation, or when the weather forecast indicates a probability of precipitation within 5 hours after completion of the work. It is unacceptable to lay the surface when there is even a small amount of water on the surface, such as puddles, ice remnants, frost, or snow. Mixing the adhesive with water will cause it to foam and lose its performance properties.

Drums of supercooled adhesive should be heated evenly, without using a point heat source. High heating temperatures will cause a loss of performance properties. We recommend using heating blankets or a heating chamber.

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5. PACKAGING

ACTIVE PLAY AS H 8008(w)_LF is delivered in metal drums of 216 l, pallet containers – IBCs of 1000 l or tank trucks.

6. STORAGE

Store in a dry place at a temperature between 10 and 30°C. Protect from moisture and direct sunlight. The product should be stored in tightly closed containers. ACTIVE PLAY AS H 8008(w)_LF reacts with air humidity. It is recommended to tightly close containers after use. Use the product as soon as possible after opening.

7. EXPIRATION DATE

Shelf life in original manufacturer's packaging, stored in recommended conditions is 6 months from the date of production. After this period, it may be used after checking the compliance of parameters with technical requirements and performing application tests.

8. TRANSPORT

Recommended delivery temperature is 10 to 30°C.

This product is not regulated for carriage according to ADR/RID, ADN, IMDG, ICAO/IATA.

9. CLASSIFICATION AND LABELLING

This technical specification is applicable only if accompanied by the Safety Data Sheet in force. Pursuant to statutory requirements, only the Safety Data Sheet includes updated safety information.

The information contained in this document is given in good faith, based on our current knowledge and experience. The right is reserved to make changes to the Technical Specifications as a result of technological progress and product improvement by the manufacturer. The product is intended for the purposes described in this technical specification, for industrial use and by professionals. If the Buyer wishes to use the product for purposes other than those indicated herein, the Buyer should contact PCC Rokita for consultation. We are not responsible for the manner and purpose of using our products, technical assistance and information provided (whether verbal, written or in the form of production assessments), including in the form of proposed studies and recommendations. It is therefore essential to test our products, assess the level of technical support and information provided in terms of your own needs and your own production, and check that our products, technical support and information provided are applicable and can be used in the intended applications. This analysis, adapted to the conditions of use of the product, should at least take into account the conducting of application tests and the appropriateness of the proposed solutions from a technical point of view, taking into account safety requirements, health issues and environmental protection. Unless otherwise stated in writing, our products are offered in accordance with the company's standard terms and conditions of sale made available on the website. All information, including that of a technical support nature, is provided without warranty of any kind and is subject to change without notice. The parties expressly agree that the Customer accepts and expressly releases us from any liability in tort, contract or otherwise for events arising in connection with the use of our goods as well as information and support. Any statements and recommendations not included in this document are unlawful and non-binding. Nothing in this document shall be construed as a recommendation to use the products in a manner contrary to the patent claims for materials or methods of use.