## Duomix®

# Detailed instructions for use and disposal of microfibres



The Bekaert Duomix® together with the microfibres in Dramix® Duo (length < 15 mm) fall under the scope of Regulation (EU) 2023/2055, commonly referred to as the Microplastics Regulation. This Regulation amends Annex XVII of Regulation (EC) No 1907/2006 by introducing Entry 78. The instruction notes below offer guidance, providing detailed instructions for the proper use and disposal of these microfibres. Its purpose is to help prevent the release of synthetic polymer microparticles into the environment, in line with regulatory requirements.

## Storage & Handling

- Implement the appropriate health, safety, and environmental risk management measures.
- Products must be stored in their original packaging, protected from the effects of weather and soil moisture.
- Packaging must remain undamaged to prevent the product from leaking into the environment.
- When opening the packaging, avoid product spillage. Ensure the product is only poured into the intended mixing device, while making sure mixing is done carefully and properly.
- If necessary, cover the work surface with a suitable plastic sheet.
- In case of damaged packaging, immediately contain the area to prevent any product release. Carefully transfer its content to a suitable, undamaged container using appropriate protective equipment. Avoid product spillage during transfer.
- If spillage occurs, collect the material using a dry method (e.g. vacuum or sweeping) and dispose of it in accordance with local waste regulations. Do not wash spilled products into drains or the environment.

## Dosing & Mixing

- Apply the product according to the dosing and mixing recommendations.
- Avoid any product spillage during dosing and mixing.
- After emptying the product, inspect the bag for any remaining fibres or dust. Gently tap or shake the bag over the mixing device to release remnants, avoiding airborne dispersion.
- If a package or bag is opened and not fully used, reseal it securely to prevent product release. Store the partially used package protected from the effects of weather and soil moisture.

## Cleaning of application tools and disposal

- When cleaning, remove product residues from the mixing and application tools before cleaning them with water.
- Collect the cleaning water and let the particles settle. Pour off the water.
- Do not spill water or dispose of cleaning water into the environment.
- Hardened product residues must be disposed of in accordance with applicable local regulations.
- Send residual concrete and wash water to the recycling/ready-mix plant.
- Cleaning with a high-pressure cleaner is not recommended. This could result in the release of product into the environment, which must be avoided.
- Empty bags should be recycled or disposed of in accordance with local waste legislation.

## Instructions for safe use

- **Handling**: Fibres should be added to the fresh concrete mix in accordance with the recommended dosage rates. Use appropriate protective equipment (e.g., gloves, goggles, and a dust mask if airborne fibres may be generated during handling).
- **Mixing**: Introduce fibres slowly and evenly into the concrete mixer to ensure uniform dispersion. Avoid inhalation of airborne dust.
- **Exposure Control:** Normal use in concrete presents no significant health hazards. If fibres become airborne during handling, provide adequate ventilation and avoid inhalation.

## Additional Information

- These instructions for use and disposal are provided for regulatory compliance and user safety.
- The information is based on current knowledge and is intended to support safe handling, use, and disposal of the product. It is not to be considered as a warranty for specific product characteristics.
- NV Bekaert SA takes no responsibility for inappropriate use, processing, and handling by purchasers or users of the product.
- This document shall not establish a legally valid contractual relationship. Actual rules and laws must be observed by the user, who is therefore responsible for respecting them.