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Wet-Fix Adhesive

Two-Component Polyurethane Adhesive For Synthetic Sports Surfaces

INTRODUCTION

EnviroStik Wet-Fix Adhesive is a two-component polyurethane-based adhesive system primarily designed for bonding artificial grass carpets to seam-jointing tapes to produce a strong invisible joint along the carpet joints. This special water resistant adhesive allows installation in damp or even wet weather conditions and with the addition of 'Rapid Set' accelerator, can also be used in low winter temperatures, almost down to freezing point.

FEATURES

- Specially for use in adverse weather conditions.
- Bonds well even if materials are not dry.
- Structured to spread well at lower temperatures.
- Good cure times possible at low temperatures from 3°C.
- No expansion of adhesive film in wet conditions.
- Bond strength specifications maintained.
- Installation season and working day time can be extended.

METHOD OF USE

Important: Before embarking on any work involving EnviroStik Wet-Fix Adhesive the Health and Safety Data Sheet should be carefully studied by those carrying out the work.

MIXING PROCEDURE

EnviroStik Wet-Fix Adhesive is mixed thoroughly with the Hardener Additive at a ratio of 10:1 by weight by first adding the hardener component to the adhesive component in the plastic tub.

Mixing in all cases should be carried out thoroughly by using a mechanical stirrer, for example a powerful drill with a suitable mixing head.

Poorly mixed adhesive does not cure correctly and remains soft. It is therefore essential that mixing of the two components is complete particularly around the sides and the bottom of the tub.

When using at low temperatures the addition of 'Rapid-Set' accelerator is recommended (one or two bottles) and this can be added and mixed at the same time as the Hardener Additive.

APPLICATION METHODS

Before use, individual substrates should be evaluated for bonding performance prior to any large-scale application.

EnviroStik Wet-Fix Adhesive is suitable for use in adverse weather conditions and will still form strong bonds even if the materials become rain affected during installation.

SEAM-BONDING THE EDGES OF SYNTHETIC GRASS CARPETS

The mixed Adhesive is poured from the tub directly down the centre of the tape, or into a suitable application machine. The Adhesive is then spread by notched trowel (this allows the adhesive to stand up in ridges) across a width of 250mm, leaving a 25mm strip uncoated at each edge of the Tape.

EnviroStik Wet-Fix Adhesive is suitable for bonding all synthetic grass carpets to geo-textile tapes and a mixed set of 11.0kg will bond down a seam length of 15 to 25 metres. It is important that sufficient adhesive is applied to transfer on to the carpet back when this is pressed into position and should effectively fill the gaps between the stitches. Therefore coverage can be down to 15m per set on some types of 3G long pile carpets.

The seam can be lightly rolled after making the joint and subsequently re-rolled when the adhesive has set to a high viscosity mastic appearance (normally 1 - 2 hours).

Another method commonly used is to hold the seams in place by weighting the carpet with dry sand or planks until the adhesive has cured. The adhesive will normally partially cure in 1 - 2 hours at average spring/autumn temperatures, but this time can be considerably extended at lower temperatures.

PRODUCT CHARACTERISTICS

Colour & Form:	Grass-green paste.		
Characteristics:	2-component polyurethane-reaction adhesive for outdoor use.		
Specific Gravity:	1400g/litre.		
Viscosity:	Thixotropic.		
Solids:	100%.		
Application:	Notched trowel or by suitable machine for applying to Seaming Tape.		
Open/Cure Time:	Ambient Temperature °C	Open Time	Cure Time
	5	4 hours	12 hours
	10	2 hours	8 hours
	20	1 hour	4 hours
	30	20 minutes	2 hours
	Do not use if risk of ground frost before completion of setting time.		
Coverage:	2000 - 3000g/m ² for seam-jointing. Dependent on carpet backing.		
Setting time:	Approximately 1 - 12 hours depending on ambient temperature.		
Cure time:	Final strength after 4 days.		
Cleaning:	Hot water plus detergent will remove (wet) adhesive from hands and tools. Cured adhesive is solvent resistant and is removable only by mechanical means.		
Film Resistance:	Water and temperature resistant.		
Packaging:	11kg and 5.5kg sets in plastic tubs and plastic bottles. Supplied as separate components or in a single combination pack.		
Storage:	Keep containers tightly sealed between 5 - 25°C.		
Shelf Life:	12 months for both Adhesive and Hardener.		
Warning:	When working with hardener, the warning and safety precautions on the containers should be observed. EnviroStik Hardener is a 100% liquid isocyanate. Avoid contact with skin. Wear protective gloves.		

HEALTH & SAFETY

Before embarking on any work ensure you are supplied with the relevant Safety Data Sheet and have read carefully the following information.

- 1) The hazard label on the container (complying with Chip 4 Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 and the European Regulation on Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation).
- 2) The EnviroStik Material Safety Data Sheets for EnviroStik Wet-Fix Adhesive and hardener.

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