

# INSTRUCTION FOR INSTALLATION

## Weather conditions

FLEXOTOP cannot be installed in any of the following weather conditions:

- Air temperature of more than 35°C
- Ground or air temperature of less than 5°C
- During snowfalls or rain
- In areas where water, snow or ice have accumulated.

## Work preparation

- Check that the sub-base is firm, level, stable, clean, dry, is well drained and fulfills all other requirements contained in the data sheet on FLEXOTOP sub-bases and edges.
- Plan access to the work site, stock, mixing operations and all procedures to be carried out on site and protect the area from possible stains from binder or other products used in the installation process.
- Check that the perimeter edge is installed and meets the requirements outlined in the FLEXOTOP data sheet on edging. Ensure excavation allows for the full thickness of both FLEXOTOP layers in order to achieve the Critical Fall Height of the Play Equipment installed in accordance with project specifications. Any deficiencies should be corrected prior to commencing installation.
- Prepare the sub-base by cleaning away any loose material or dust and applying a primer or diluted binder itself, particularly at perimeters and on equipment footing.
- Ensure your tools are in good working order such as laths, screed bars and thickness gauges.

## Mixing operations

- Ensure the binder you use has the curing time required for the range of temperatures and humidity conditions at the job site.
- If the temperature is below 8°C, an activator can be used. The activator is added to the binder and should be mixed well before placing in the mixer. The quantity required is **0, 05 %** to **0, 2 % SUR 11186**. Depending on how much the curing time must be speeded up.
- Select the binder measurement system to be used during installation to assure the correct mixing ratios, as specified in the table given at the end of this data sheet.
- Ensure that correct mixing ratios are always used and make regular checks on your weighing or volume measuring devices.

Binder has to be into the mixer!

#### MIX SIZE - 2020

Description		1 Bag	2 Bags	3 Bags	4 Bags
Rubber granules		25 Kgs	50 kgs	75 Kgs	100 Kg
Type	% by weight	Binder	Binder	Binder	Binder
FLEXOBASE ECO SUR11201-900	10%	2,5 litres	5,0 litres	7,5 litres	10,0 litres
Coloured EPDM Top Layer - <b>Aromatic binder</b>	18%	4,5 litres	9,0 litres	13,5 litres	18,0 litres
Coloured EPDM Top Layer - <b>Aliphatic binder</b>	20%	5,0 litres	10,0 litres	15,0 litres	20,0 litres
Flexogrind	24%	6,0 litres	12,0 litres	18,0 litres	24,0 litres
BLACK recycled EPDM SUR 11101-902	22%	5,5 litres	11,0 litres	16,5 litres	22,0 litres
Blends with BLACK recycled EPDM	22%	5,5 litres	11,0 litres	16,5 litres	22,0 litres

**IMPORTANT NOTE:** Remember to add additional binder to the above quantities to compensate for the amount that remains in the measuring bucket !

If FLEXOGRIND is used in areas with high abrasion (under the slide, carousel, in FREEGAME ARENAS or FITNESS) is recommended to use 26 % of binder!!

## Installation

- Lay the base layer to the required depth using the correct screed bars to achieve a uniform surface and using a steel trowel around the edges.
- Use a lath in small or inaccessible areas.
- Allow the base layer to cure and check and correct any defects to the base layer before starting to lay the second wearing layer.
- Use the correct screed bar to assure the thickness and leveling of the second layer.
- A smooth and compact surface can be achieved on the top layer using a light roller or trowels.
- Remove any granules stuck to your tools regularly to ensure a high quality surface.
- Clean the mixer and used tools and protect the area from possible damage during the curing time

## Final check

- Carry out a visual inspection to confirm that the work is complete and the area is safe and tidy.
- Answer all the check list questions on the completion card and keep the lot number of the binder and EPDM product for future reference.

Please check out our installation manual.