

INSTALLATION INSTRUCTIONS CARRO+ DECORATIVE TILES FOR WALLS

- **Read the installation instructions carefully. If the instructions are not fully adhered to the warranty shall be null and void.** Failure to comply with the instructions below releases the manufacturer from any liability.
- All the information is given in good faith and reflects our current knowledge and therefore may not be used against us.
- Our products are produced with the greatest possible care. However, no guarantee can be given with regards to small differences in look and colour in different production runs and batches.
- Wear protective gear during installation like safety goggles, mask, gloves and steel-toe boots. Always work in a well-ventilated area.

General

The tiles may be placed on walls of, for example:

- private residences: bathroom, kitchen, laundry room, garage, basement, bedroom, living room,...
- professional applications: office space, sporting halls, shop areas,...
- prefab houses, caravans and mobile homes, boats,...

The tiles are particularly well suited for use in damp areas.

The tiles may not be installed:

- outdoors, on account of possible discolouration and the possibility that the product becomes brittle, unless explicitly stated or shown otherwise on the package insert.
- in spaces with a temperature in excess of 40 °C or lower than -10 °C, for example in a sauna or refrigerated area.
- on walls where the contact temperature may be above 40°C, e.g. on a chimney flue, by a stove or radiators, ...
- in poorly ventilated areas.
- in areas where there is an abnormally high concentration of sulphur (H₂S).

Acclimatisation and inspection

- The tiles should be laid flat for 48 hours in the area in which they will be installed with a minimum distance of 50 cm from the walls to adapt to the environmental conditions in the area. The ideal temperature before and during installation is approximately 20 °C.
- Before installation, check each tile carefully by daylight for scratches, dents, damage, difference in colour and any other deviations to the standard quality. A tile that is installed even though it shows faults is excluded from our warranty.
Complaints about inherent defects that were visible before installation shall not be accepted after installation.
- When installing tiles in a sunroom or in similar spaces, please pay attention to the combined effect of intense exposure to sunlight and increased temperature, since the tiles could be exposed to temperatures higher than 40°C. Please check this before installation. If the temperature can become too high, then the tiles may not be installed. Dumaplast cannot be held liable for damages caused on such occasions.

Preparation

- The tiles must be glued directly onto an even and dry background, free from dust and grease. They can be glued directly onto an existing tiling without removing it.
 - Apply the adhesive in a zigzag pattern onto the tile or the base.
 - Use an MS-polymer based adhesive, or a two-component polyurethane adhesive, preferably Dumafix. Please always check that the adhesive is also suitable for use on the surface on which the CARRO+ tiles shall be installed.
- Take into account that the CARRO+ tiles might expand and contract in the event of major changes in temperature in an area, and provide for this by leaving extra space at the sides of the tiled surface (1mm per running meter of CARRO+ on each side).
 - For example: for a wall length of 5m one should allow for a 5mm gap at each side of the wall that is to be tiled.

Installation

- The CARRO+ tiles may be cut or shortened easily using a handsaw, table saw, portable circular saw or a cutting saw. Please take the necessary precautions when handling sharp tools.
- Place the first tile (**illustration 1**).
- Then fix the tile with a simple adhesive (zie **Preparation**) (**illustration 2**).
- Connect the next tile by **FULLY** inserting the tab into the groove (**illustration 3**). Make sure that the tiles always fit each other properly along the length, so that the next row fits perfectly parallel. Create a full row this way by fitting the tiles via the end tab with adhesive. Cut the tile to size at the end of the row.
- You may screw the first row of tiles at the bottom which will be covered by the base (**illustration 4**). Make sure the tile is firmly attached before continuing.
- Take the remaining piece of the cut tile and use this for the next row if needed (**illustration 5**). You can opt to install the tile effect in correlation (A) or parallel (B) (**illustration 6**). The tiles can be placed vertically as well as horizontally. Complete the installation row upon row.

Finishing and maintenance

- For installation in a shower area, around a bath or other very damp places, a line of silicon must always be provided in the connection between the tiles themselves and between the tiles and support trims to ensure a completely waterproof joint. Thus also apply a silicon line between the tile and the edge of the shower or the bath. Dumaplast may only guarantee that the tiles themselves are waterproof. Waterproofing each joint between the tiles is the installer's responsibility and consequently Dumaplast cannot be held liable for any damage resulting from this.
- For maintenance use ordinary household products.
 - You can thoroughly clean the tiles using a soft, non-abrasive cleaning agent. However, you usually only need a damp cloth to clean the tiles
 - Do not use abrasives, aggressive substances or chloride-based cleaning products. Solvents should also not be used.
- This product is made from PVC and is 100% recyclable. PVC does not contain any hazardous substances.

