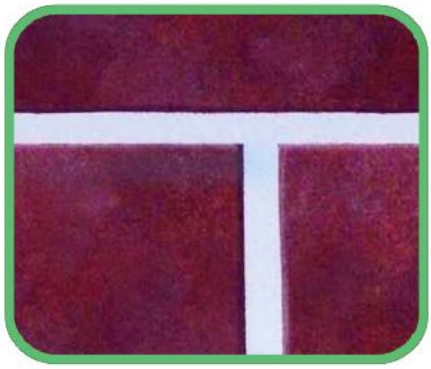
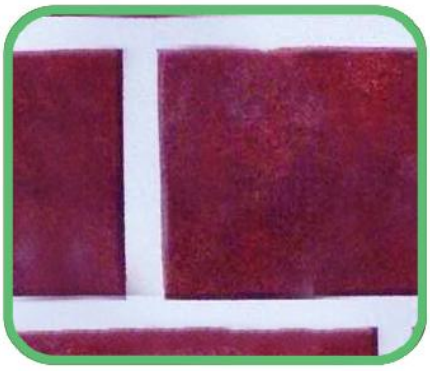
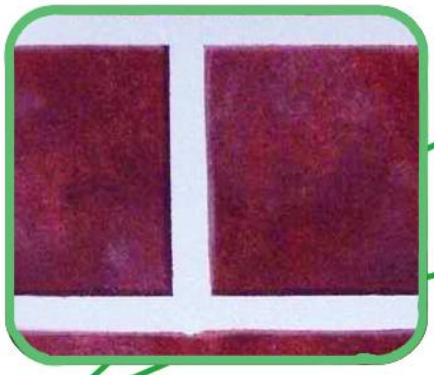
WALL PUTTY

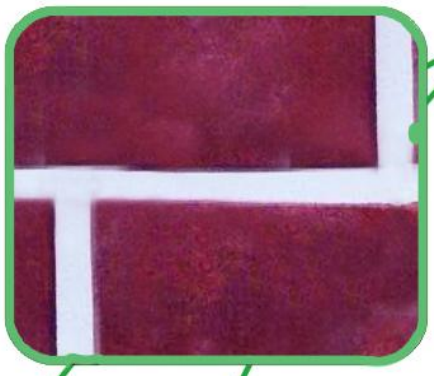
R4 Flex Putty

B2 Gypsum Plaster
C475 Joint Comound
R1 Smooth Putty
R2 Finish Putty
R3 Coarse Putty
R4 Flex Putty
GM11 Interior Acrylic Putty
GM12 Exterior Acrylic Putty









R4 FLEX PUTTY

R4 Flex Putty is a two-component, high-strength, cement-based mortar with fine-grained selected aggregates, special admixtures and synthetic polymers in water dispersion. When the two components are mixed together, an easy-spread mix is obtained which may be applied manually on vertical surfaces at a thickness of up to 2 mm per layer.

FEATURES AND BENEFITS

- **Crackless application.**
- **Mixes easily with potable water.**
- **High bonding strength**
- **High-ductility smoothing and leveling layer on concrete repaired.**
- **Impermeable to water and aggressive gases present in the atmosphere**

WHERE TO USE

- Smoothing and leveling layers on concrete, stone, brick and tuff surfaces.
- For laying glass fiber mesh in “reinforced” structural strengthening systems on facing walls, ceilings and masonry elements.
- Strengthening masonry facing walls, ceilings and general masonry work.
- Leveling and strengthening of structural elements in stone, brickwork and tuff.
- Laying and smoothing glass fiber mesh, a system for “reinforced” structural strengthening against stresses induced by seismic activity.

SURFACE PREPARATION

- To guarantee good adhesion, special care must be taken when preparing the substrate.
- It must be perfectly clean, sound and free of crumbling parts, dust, oil and old paintwork.
- Sandblasting or a vigorous cleaning cycle with high-pressure water jets is particularly suitable for this operation.
- If missing parts need to be replaced, integrate the repair with new stone, bricks or tuff with physical characteristics which are as similar as possible to the original materials used for the masonry.
- Before applying the product, wet the substrate until saturated; do not leave pools of water on the surface.

MIXING

- Pour component B (liquid) into a suitable, clean container with 6 liters water.
- Then slowly add component A (Powder) while stirring with a mechanical mixer. Carefully mix the R4 Flex Putty for a few minutes, making sure that no powder remains stuck to the sides or the bottom of the container.
- Continue mixing until the components are perfectly homogenous (no lumps must be present). A low-speed mechanical mixer is particularly suitable for this operation, to avoid air being dragged into the mix.
- Do not prepare the mix by hand.

APPLICATION

When laying glass fiber mesh

- Apply a uniform, 0.8~1.5mm thick layer of R4 Flex Putty using a flat, metal trowel.
- While the product is still “fresh”, insert the glass

fiber mesh by pressing it lightly with a flat trowel so that it adheres perfectly to the mortar.

- Apply a second uniform layer of R4 Flex Putty approximately 2-3 mm thick in order to completely cover the mesh.
- Smooth the surface while still “fresh” using a flat trowel.

Adjacent longitudinal and transversal strips of glass fiber mesh must overlap by at least 5 cm at the junction points.

When used as a smoothing layer

- Spread the mortar on the surface using a metal trowel at a thickness of up to a maximum of 6 mm.
- Smooth the surface while still “fresh” using a flat trowel.
- If a smooth finish is required, use R2 Finish Coat (single component, normal-setting cementitious mortar).

DOSAGE

- 1.0-1.5 kg/m2 per mm of thickness.
- Few dosages for the even surface

PRECAUTIONS

- No special precautions need to be taken when the temperature is around +20°C.
- In particularly dry, hot or windy conditions, R4 Flex Putty must be cured carefully; we recommend protecting the surface against quick evaporation of water.
- Do not apply R4 Flex Putty if the temperature is lower than +5°C.
- Do not add cement or aggregates to R4 Flex Putty.

PACKAGING

27.5 kg kits=Component A (25kg/sacks) +Component B (2.5kg/can).

SHELF LIFE

- R4 Flex Putty component A may be stored for up to 12 months when contained in its original packaging in a dry place.
- R4 Flex Putty component B may be stored for up to 24 months.
- Both components must be stored at a temperature of at least +5°C.

TECHNICAL DATA

Application properties	
Pot Life of Mix	30 mins
Max thickness per coat (mm)	6 mm
Setting time	(23°C , %50RH) Beginning > 4 hrs Ending < 9 hrs
Application temperature	+5°C - +35°C
Compressive strength (N/mm2)	After 1 day> 5 After 7 days> 20 After 28 days> 30
Flexural strength (N/mm2)	After 1 day> 1.5 After 7 days> 6 After 28 days> 9
Compressive modulus of elasticity (28 days later) (N/mm2)	11000
Adhesion to concrete (N/mm2)	After 7 days> 2.0 After 28 days> 2.5
Adhesion to masonry substrate (R4 Flex Putty with glass fiber mesh) (N/mm2)	After 7 days> 1.5 After 28 days> 2.0

For further information consult our Technical Department
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