

# PREPARATION OF SMOOTH, EVEN SURFACES PRIOR TO PAINTING

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- dust-free 'wet' finishing without sanding
- 'Wet to wet' application
- no cracks even in case of thicker coats
- excellent final effect - ideally smooth walls
- for interior use

### PRODUCT DESCRIPTION

ACRYL-PUTZ® ST11 START S is a powder finish putty based on calcium sulphate hemihydrate (gypsum), mineral fillers as well as modifiers. Features very good adhesion to the substrate, easy application - ensures smooth movement of a tool during application and finishing, does not crack even in case of thicker coats. Can be applied via so called 'wet to wet' method - i.e. next coat can be applied before the previous dries, which is significantly time efficient. Excellent for dust-free 'wet' finishing without sanding, which improves comfort of work. Putty can be finished by taking advantage of a traditional method. Walls and ceilings, after applying the putty, obtain ideally smooth and easy to paint surface.

### USE (PURPOSE)

Intended for preparing interior walls and ceilings. Ideal for smoothening imperfections and cracks on plaster surfaces, applying on whole surfaces of walls, filling in holes as well as joints in cardboard gypsum panels with a reinforced tape. Guarantees ideal smooth surface ready to be painted or wallpapered.

### PRODUCT PROPERTIES

Consumption time to 60 minutes

Initial curing ≥60 minutes

Adhesion ≥0,5 MPa

Tensile strength ≥ 2 MPa

Compressive strength ≥5,5 MPa

Application and substrate temperature from +10°C to +25°C.

### APPLICATION

#### Substrate preparation

- substrate intended for finish putty application must be solid, dry, as well as grease, loose plaster particles, dust and dirt free
- all steel elements which have a direct contact with the putty must be protected from corrosion
- depending on substrate absorption apply ACRYL-PUTZ®GP41 - Deep Penetrating Polymer Primer or ACRYL-PUTZ®GU40 Universal Polymer Primer on very absorptive and poor substrates
- apply ACRYL-PUTZ® GK41 Contact Polymer Primer on smooth concrete surfaces
- install cardboard gypsum panels on a wall or ceiling by following principal construction rules

#### Product preparation

- put the putty in powder form into a container with water, ratio 1kg of putty per 0,45L of water, and mix continuously
- mix the content of the container carefully, it's recommended to take advantage of a low-speed electric agitator, till obtaining uniform and easy-to-apply consistency, without lumps
- after approx. 5 minutes, mix the product again.
- the ready putty can be applied within 1 hour
- each time during the putty preparation, use clean tools and containers

#### Painting

- perform application at the substrate and ambient temperature between +10°C and +25°C
- apply min. two coats with a putty knife, stainless steel or plastic trowel
- apply coats of 1-3 mm, do not apply thinner coats than 1 mm
- 'wet to wet' application - application of subsequent coats by following the conditions: 1 coat of 2-3mm thickness; application time - before complete curing of 1 coat (approx. 75% of surface dry in touch)
- joint filling with tape - apply the compound along the joint so as to be able to stick a paper tape or mesh on still wet surface
- apply the convex side of the tape to the wall, so as the centre of its width goes along the joint
- remove air bubbles with a putty knife from under the tape and press it against applied compound
- after drying, apply the second coat with a wider trowel, if necessary apply the third coat

- sand the last coat of the putty with sandpaper of mesh, dust off and paint
- 'wet-to-wet' application - way I - Moisten slightly with a spray the last coat after min. 1 h and smooth directly the surface with a moistened trowel. Commence work with internal corners. Repeat the very same activity on other areas of the surface. It's important to apply water uniformly so as to avoid streaks and 'puddles' on the surface.
- 'wet-to-wet' application - way I - finishing is performed after complete drying. Commence work with internal corners by taking advantage of a sanding sponge. The other area of the surface must be moistened with a water spray. After approx. 15 minutes, repeat this activity on finishing areas. Carry out finishing on surfaces up to 1m<sup>2</sup> and next, by taking advantage of a rubber trowel (grout float), sand slightly the moistened putty by making circular movements and next, smooth it with a stainless steel trowel. In the event of too fast drying of the putty, spray the surface before smoothing with a trowel. Repeat the very same activity on other areas of the surface. It's important to apply water uniformly so as to avoid streaks and 'puddles' on the surface.
- traditional finishing - sand the dry coat of the putty with sandpaper, sanding sponge or mesh - grit size 100/150.

## PAINTING PARAMETERS FOR PARTICULAR METHODS

APPLICATION METHODS	APPLICATION PARAMETERS			
	mixing ratio with water	open time	thickness of one coat	recommended number of coats
		[min.]	[mm]	
metal trowel	0,45l of water per 1kg of putty	60	1-3	to fill in holes
hydrodynamic spraying	0,48l of water per 1kg of putty	60	1-3	to fill in holes

\* spraying performed by using devices of Graco company, model T-MAX - nozzle size TMX651

## BEST BEFORE DATE

12 months from the date of manufacture

## CONTAINERS

5 kg, 20 kg

## EFFICIENCY

depending on coat thickness - approx. 1kg/m<sup>2</sup> with 1mm coat thickness

## COLOURS

cream

## VOC

brak

## STANDARDS, TESTS AND CERTIFICATES

Hygiene Certificate no. 188/322/214/2012

EN 13279-1

Plaster based on gypsum for interior purposes B2/20/2

Reaction to fire: A1

Acoustic insulation: NPD

Thermal conductivity: NPD

THE DECLARATION OF PERFORMANCE NO. 05/ST11/2013

## FIRE AND HSE RECOMMENDATIONS

## ATTENTION!

The information included in the technical data sheet is to provide an efficient use of the product, however, it cannot form grounds for the manufacturer's liability, since the performance conditions are beyond its control. It's forbidden to make any adjustments to the product's formula, which can significantly decrease the properties of the used material. In the event of combining the product with other products, the manufacturer shall not bear any responsibility. All the information above is given in good faith, based on current knowledge and experience. The manufacturer reserves the right to amend the content of subsequent editions without the obligation to inform its customers.