



Tapeless Jointing



Interior



Extra Strong



Flexible



Total Drying Time

C-50



Package Sizes: 1.5 kg, 5 kg, 17 kg

NO TAPE Jointing Compound Ready Mixed White

INTENDED USE

ŚMIG C-50 can be used with prefabricated and manually cut plasterboards. Its high flexibility and strength ensures durability of joints without reinforcement tape. ŚMIG C-50 is

also used for filling, patching and chasing in small and large areas of walls and ceilings.

PRODUCT PROPERTIES

* Colour

ŚMIG C-50 in the form of wet paste or when dried remains white.

* Flexible and resistant to cracks

Due to polymer networks after drying and bonding, ŚMIG C-50 is highly flexible and resistant to cracking. NOTE! The product reaches its structural stability, flexibility and adhesion only after drying and bonding have been completed.

* Economical and convenient

ŚMIG C-50 is intended for immediate use after opening of its packaging. Work can be interrupted at any time by tightly closing the bucket. Next time after opening, the product can be used again. ŚMIG C-50 should be applied straight from the bucket without any preparation. This makes the product very convenient to use and saves up to 10% of time (no need for traditional gypsum mortar preparation). Thanks to the use of the entire bucket content, the product is also more economical than traditional mortars. When preparing a mixture from dry product, it often happens that a large part of the material is not used, solidifies and is not suitable for use. With the ready-made products, you can avoid the waste, as you take from the bucket only material that is needed. The rest can be used later, provided you close the packaging tightly.

* Layer width

Pre-fabricated plasterboards should be fitted with a gap of 3-5 mm. When cut, edges of plasterboards should be profiled at 45°, treated with K-15 primer and fitted while maintaining a gap of 1-2 mm.

* Bonding time

The mortar bonding time is approximately 1-2 hours for a 1 mm layer and approximately 24 hours for a 5 mm layer (at +20°C and with good ventilation). The bonding time may increase or decrease depending on the temperature. A temperature below +10°C stops bonding.

* Jointing strength

Joints are susceptible to cracking due to the low strength of joints traditionally made from gypsum putty and paper tape. Its strength is about 320 N, while the strength of a typical plasterboard is on average 520 N. ŚMIG C-50 reinforced with a polymer network guarantees higher strength even without tape.

Plasterboard configuration:	Tensile strength [N]
Prefabricated plasterboard with single C-50 layer	285
Prefabricated plasterboard primed with K-15 and single C-50 layer	356
Prefabricated plasterboard primed with K-15, single C-50 layer and reinforcement tape	381
Plasterboard with edges cut at 45°, single C-50 layer and reinforcement tape	528
Plasterboard with edges cut at 45°, primed with K-15, single C-50 layer and reinforcement tape	546

Tests were performed to European standard EN13963 546 point 5.8.1 by the „until the first cracks” method.

SURFACE PREPARATION

Prepare contact surfaces of plasterboards before jointing. The boards should be firmly attached to the supporting structure, dry and free of dust. Cut edges, remove dust, and

treat the surface with the ŚMIG K-15 universal primer. In corners and angles, mount angle brackets.

HOW TO USE

* Jointing of plasterboards without reinforcement tape

Fill the space between the edges with C-50 using a spatula at an angle to allow the product to be accurately pressed into the gap. Allow to dry. After 24 hours, apply another layer of C-50. The final smoothing should be provided after the product has completely dried by sanding with a polycarbonate mesh or 80-150 grit sandpaper. To facilitate sanding, it is recommended to use ŚMIG A-2 or A-6 finish for the finishing coating. Dust must be removed or bound with K-15 multipurpose primer before applying another layer of the product or a paint coating. To obtain the desired quality of the paint coating, it is also recommended to reach the same absorption capacity of plates and joints by treating them with ŚMIG K-15 Universal Primer.

* Filling, patching and chasing in mineral plasters

Surface repair must be carried out by pressing the product into a cavity, provided that the cavity does not exceed 5 mm. After drying, apply the second layer. For perfect smoothness, grind the surface with polycarbonate mesh or 80-150 grit sandpaper. Dust must be removed with the ŚMIG K-15 primer before applying another layer of the product or paint coating.

RESTRICTIONS

The product should not be used on moist boards (dimensions of board may change while drying, which may result in cracking) and boards affected by biological corrosion. Do not wet the surface with water or unproven primer prior to the application. Do not use the product in interiors where the

humidity of air is permanently above 70%. Periodically high humidity, such as in laundry rooms, kitchens or bathrooms is not a problem. Adequate ventilation must be provided when drying. The product should not be used to fill joints or cavities wider than 5 mm. If necessary, stir before use.

PACKAGING

The product is available in plastic buckets of 1.5, 5 and 17 kg. Buckets should be stored in a dry room at 0°C to +40°C, preferably on pallets. It is prohibited to stack pallets. Failure to

comply with the requirement may result in damage to the product and people in the vicinity are in danger of losing their lives or health.

GUARANTEE

The product is suitable for use up to 12 months after the manufacturing date printed on the packaging. During the period, the manufacturer guarantees that the product maintains its properties, provided storage conditions are

complied with and the product is applied according to its intended use, guidelines, and common construction rules and OHS standards. The product has its Properties Declaration and it is certified by the Hygiene Authority.

TECHNICAL PARTICULARS

Chemical composition: mixture of mineral materials, polymer dispersion, chemical additives and water, with the texture of thixotropic paste.

Compliance: EN 13963:2005, EN 13963:2005/AC:2006
Adhesiveness to plasterboards: $\geq 0.25 \text{ N/mm}^2$
Reaction to fire: Class A2-s1, d0
Specific gravity: 1.5 kg/l

Application temperature: +10 to +40°C
Storage temperature: 0 to +40°C
Capacity on plasterboards with prefabricated edges: 0.4 kg/m
Capacity on plasterboards with 45° cut edges: 0.3 kg/m
Capacity per unit area: approx. 0.5 kg/m²
1 mm layer bonding time: 1-2 h at +20°C and 50% humidity
Maximum joint width: 5 mm