

# GENERAL INFORMATION ON STAUF MOUNTING AND REPAIR ADHESIVES (MK 1)

### DIFFERENT EXPECTATIONS

Mounting adhesives are ready-to-use adhesives which are generally suitable for small substrate areas, surfaces or hard-to-reach areas where the application is very difficult or not possible at all. The most common form of packaging for mounting adhesives is the plastic cartridge. In some cases, tubular aluminum bags and less commonly tubular aluminum sachets also serve as packaging. If the field of use changes and large-area components such as polystyrene or mineral fiberboard is to be bonded, it is advisable to apply the adhesive from the bucket using a trowel. For this type of application, adhesives are already available in buckets.

The substrates concerned and the surfaces to be bonded are as varied as the applications. Adhesive systems based on different raw materials are therefore required. Physically drying dispersion adhesives are very suitable for bonding absorbent materials or substrates. Moisture curing reactive adhesives based on polyurethane (PU) are advantageous due to their curing mechanism. This is because they do not release water into the ambient air, but require moisture from the ambient air to react. This applies to both absorbent and non-absorbent substrates and materials. In most cases, these IK PU adhesives foam up easily and thus guarantee optimum wetting, especially on uneven or highly porous substrates. Like PU adhesives, hybrid adhesives (SPU/SMP adhesives) bind by reaction with humidity in the air, but without a "foaming effect". They should also be applied to absorbent and non-absorbent subfloors/substrates

The majority of hybrid adhesive types form an adhesive joint and are therefore best suited for tension equalizing bonding. It is also possible to produce sealants using hybrid technology. A distinction is made between force-locking and tension-equalizing bonding. In the case of force-locking bonding, any movements occurring (increase or decrease in volume) are not absorbed by the adhesive, but are predominantly transferred to the construction or the adjacent components. The maximum thickness of the adhesive joint is 1 mm. In tension-equalizing bonding, the adhesive gap is approximately 1-5 mm and can ideally absorb construction-related movements when appropriately formulated.

Another possible product property of mounting adhesives is

their ability to be painted over with various coating materials. Due to different surface tensions and formulations, however, this is usually only the case with dispersion and PU products.

Often the conditions require a substrate to be bonded to vertical surfaces such as walls or to a ceiling overhead. Since this is done without any additional fixation, the products above all require so-called "green tack", or wet grip

A particular case is sticking on metal. The surface treatment and the condition of the surface are very important here:

- On anodized surfaces, the bond depends on the type and age of the anodizing.
- Aluminum is very special and a sticking on it depends on the quality of the aluminum.
- Separating agents from production are often present on stainless steel and must be removed.
- Due to the forming of white rust, galvanized sheet metal can also be very difficult to bond

General rule: self-tests are absolutely necessary and in most cases unavoidable.

## TECHNICAL INFORMATION

### CARTRIDGE ADHESIVES

#### **STAUF Extreme Tack:**

Polymer dispersion adhesive for absorbent substrates, very high green tack, open to vapour diffusion, can be painted over (compatible with paints), very suitable for bonding strips or mineral fiberboard.

#### **STAUF Repacoll S:**

1-component hybrid adhesive for absorbent and non-absorbent substrates like wood, cement, gypsum, concrete or metal. Very fast strength development combined with high suction adhesion, elastic adhesive joint for stress-relieving bonding, suitable for producing liquid-tight adhesive joints, very suitable for sticking on floors, walls and ceilings as well as parquet repairs of all kinds.

#### **STAUF Spot Tack (green):**

Hard 1C polyurethane adhesive, for absorbent and non-absorbent substrates and subfloors, for interior and exterior use, controlled foaming, void-filling, can be painted over (compatible with paints), very suitable for repairing artificial turf seams or for bonding stone and metal.

### SPECIAL ADHESIVE

#### **STAUF Repamed:**

Liquid adhesive as a repair kit, very suitable for repairing voids under parquet (by injecting it).

The information provided above corresponds to the current state of the art. The information is purely indicative and non-binding, since we have no control over the installation process and because the actual installation conditions on site vary. Thus no claims can be made based on this information. The same is true for the commercial and technical advisory services that are provided without obligation and free of charge. We therefore recommend carrying out sufficient testing of your own in order to determine whether the result is suitable for the intended purpose. 30032020