

545 AREA ADHESIVE



RAMSAUER®
DICHTSTOFFE

1-component hybrid adhesive

TESTS, COMPLIANCE WITH STANDARDS

Emicode EC1-R "very low emission"

TECHNICAL DATA

Film characteristics: the cured film is elastic
Colour: white
Consistency: low viscosity - pasty
Density (DIN 52451): 1.41 g/cm³
Skin over time (20°C/50% relative humidity): approx. 15 min
Shore A hardness (ISO 848): approx. 25
Elongation at tear/break (DIN 53504-S1): approx. 200 %
Tensile strength (DIN 53504-S1): 1.1 N/mm²
Processing temperature: +5°C to + 35°C
Cleaning: acetone, ethanol, spirit; the cured adhesive can be removed by mechanical means only
Packaging: 600ml-foil bags; alternative packaging upon request
Storage life: 12 months in original container in a cool and dry place

CHARACTERISTICS

545 AREA ADHESIVE has high initial tack and thanks to its 1-component system it can be used immediately. Due to the high stability in rib shape the product can be applied very well by means of a toothed spreader. 545 AREA-ADHESIVE is permanently elastic, balances tension; it is weather-resistant, non-corrosive, does not contain any silicone, solvents or isocyanate, and it is odourless. 545 AREA-ADHESIVE cures virtually without shrinkage.

APPLICATION

545 AREA ADHESIVE is suitable for gluing full surfaces onto a wide variety of substrates such as wood, metals, plastics, and silicatic substrates.

PROCESSING

A working temperature of at least +10°C and not more than +25°C is required. The substrate must be level, clean, solid, free from cracks, have sufficient tensile strength and compressive strength. The substrates to be glued must be free from grease. In order to ensure optimum through-curing of the adhesive the substrate surface should be moistened by means of a wet cloth (dewy moisture). Use a 3 mm toothed spreader to distribute the adhesive over the area to be covered. Apply adhesive only to an area you are able to cover

within 10 minutes. Make sure that the adhesive is distributed evenly over the area to be covered. The following conditions must be present for proper use of the adhesive: Substrate temperature between +10°C and +25°C. The adhesive has been developed for an optimum processing temperature of 20° C, and must be brought to the proper temperature before use if necessary. Place the material to be glued in the adhesive bed within 10 minutes without permitting the formation of air bubbles and knock it down thoroughly.

LIMITATIONS OF APPLICATION

Consult our application engineering department before using the product with natural stone! Compatibility with different coatings such as paint coats, varnishes, plastics, etc. must be tested before application, or the coating must be known to be compatible with the sealant.

SAFETY ADVICE

Consult the current EC Safety Data Sheet which is available at any time on our website at www.ramsauer.at.

PRIMER

When working with teak wood the side to be glued must be treated with "Primer 70" before applying the product. The

primer may be applied with a brush or with a cloth. Depending on the ambient temperature, the primer needs approx. 30



minutes to cure.

CONSUMPTION

Consumption largely depends on the substrate and thickness of the adhesive film applied. Generally speaking, approx. 800 to 900 grams of adhesive will be needed per square metre. In case of rough substrates, consumption will increase. It is

recommended to use spreaders with fine toothing for small elements and/or level substrates, and spreaders with coarse toothing in case of large areas and/or hardly level or rough substrates.

PROTECTION AT WORK AND HEALTH PROTECTION

Avoid swallowing and prolonged or repeated skin contact. Keep out of the reach of children. Consult our Safety Data Sheet.

ADVICE FOR APPLICATION

The adhesive must be applied over the entire surface in such a way that the substrates to be glued are completely covered with adhesive. Applying the adhesive only in strips may result in the formation of bubbles in flexible foils when the substrate is impermeable to gases. In case of substrates impermeable to gases, enough adhesive must be applied to permit the cleavage product released during curing of the adhesive to escape through the cured adhesive. Therefore, preliminary

experiments are imperative in case of substrates impermeable to gases in order to make sure that the adhesive will cure despite a very low supply of moisture. In this type of large-surface gluing work, curing of the adhesive and hence the build-up of adhesive force is retarded. The viscosity of the paste is temperature dependent. At low temperatures viscosity is higher; at high temperatures it is lower.

LIABILITY FOR DEFECTS

The information provided including but not limited to the proposals for processing and using our products is based on our knowledge and experience, usually at the time of going into print. The results of work may deviate from this information depending on the specific circumstances, in particular with respect to substrates, processing and environmental conditions. Therefore, neither this information nor any oral counselling shall constitute warranty or give rise to any liability on whatever legal ground for any specific result

of work, unless we acted intentionally or by gross negligence. Ramsauer warrants that its products will have the technical characteristics according to the Technical Data Sheets up to their expiry date.

Product users must consult the latest data sheet which is available upon request. Our current General Terms and Conditions apply which are available for download on our website www.ramsauer.at.



QUALITY YOU CAN RELY ON

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