

Comband 600 ES, according to DIN standard 18542 BG1, is a sealing tape consisting of impregnated foam. It serves for the primary sealing of seams and junctions directly exposed to weather.

It is heat insulating and sound absorbing, in addition to sealing against wind, dust and spray water, thereby reducing energy costs immediately and maintaining the value of the building structure.

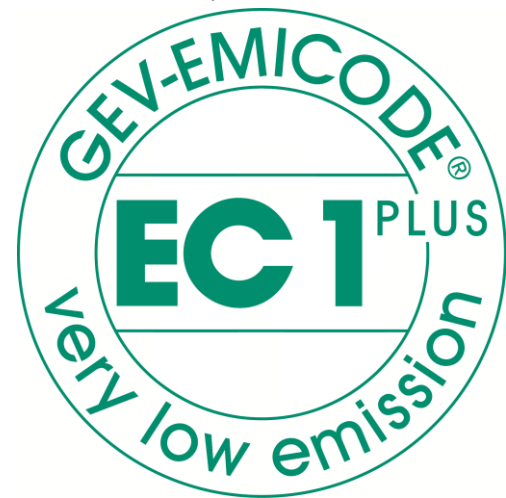
Areas of application:

- Window construction, interior construction
- Facade engineering (including natural stone)
- Thermo insulation composite system, latticework, wood and metal construction
- Pre-fabricated housing, container and roof construction (e.g. wind-tight bonding of foil), noise protection, etc.

Characteristics*:

- heat insulating and sound absorbing
- compatible with adjoining building materials according to DIN 18542 BG1
- driving rain resistant up to ≥ 600 Pa
- vapour permeable according to DIN 18542
- temperature-change resistance acc. to DIN 18542
- tested from -30 °C to $+90$ °C
- resistant to the effects of light and moisture acc. to DIN 18542 BG1
- Reaction to fire according to DIN 4102-1 B1
- consistent quality
- seals against wind, dust and driving rain
- controlled expanding behaviour

Comband 600 ES has been distinguished with Emicode-Seal EC1 Plus for very low emission products.



* The characteristics are partially dependent on the amount of pressure applied.

Technische Daten:

Foam basis	polyurethane flexible foam	
Basis of impregnation	special flame-resistant acrylate	
Colour	grey	
	anthracite (available on request)	
Joint permeability (a-value), air tightness	$a < 1.0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^n]$	DIN EN 12114
Driving rain resistance	DIN 18542 BG1 up to ≥ 600 Pa	DIN EN 1027
Temperature-change resistance	-30 °C up to $+90$ °C	DIN 18 542 BG1
Compatibility to other building materials	Requirements fulfilled	DIN 18542 BG1
Construction material class / reaction to fire	B1 (low flammability)	DIN 4102-1
Water vapour permeability	$\mu < 100$	EN ISO 12572
Thermal conductivity	$\lambda = 0.046 \text{ W}/(\text{m} \cdot \text{K})$	DIN EN 12667
Heat transfer coefficient at tape width of 75 mm	U-value = $0.56 \text{ W}/(\text{m}^2 \cdot \text{K})$	DIN EN 12667
Delivery form	pre-compressed on rolls	
Storage time	1 year	
Storage conditions	$+10$ °C to $+20$ °C, in original packaging	

The technical data may vary, depending on the degree of pressure applied.

Tape sizes / functional areas:

Characterization of tapes	Tape width = joint depth	For joint width
2 – 3 x 10 mm 2 – 3 x 15 mm	10 mm 15 mm	2 – 3 mm
3 – 5 x 10 mm 3 – 5 x 15 mm 3 – 5 x 20 mm	10 mm 15 mm 20 mm	3 – 5 mm
4 – 7 x 15 mm 4 – 7 x 20 mm	15 mm 20 mm	4 – 7 mm
6 – 10 x 15 mm 6 – 10 x 20 mm 6 – 10 x 25 mm	15 mm 20 mm 25 mm	6 – 10 mm
8 – 13 x 15 mm 8 – 13 x 20 mm 8 – 13 x 25 mm	15 mm 20 mm 25 mm	8 – 13 mm
10 – 15 x 25 mm 10 – 15 x 30 mm	25 mm 30 mm	9 – 15 mm
13 – 24 x 25 mm* 13 – 24 x 30 mm* 13 – 24 x 35 mm* 13 – 24 x 40 mm*	25 mm 30 mm 35 mm 40 mm	13 – 24 mm
17 – 30 x 30 mm*	30 mm	17 – 30 mm
17 – 32 x 35 mm* 17 – 32 x 40 mm*	35 mm 40 mm	17 – 32 mm
28 – 35 x 35 mm*	35 mm	28 – 35 mm
28 – 40 x 40 mm* 28 – 40 x 50 mm*	40 mm 50 mm	28 – 40 mm

*) Please observe minimum order quantity (3 carton boxes).
Additional other widths are available. Please give us your request.

Additional sizes, especially various other widths are available upon request.

The joint edges need to run parallel. Measure the width of the joints and choose the appropriate tape size in compliance with the joint tolerance determined and any joint movement (if necessary use several tape sizes). As far as the joint depth is concerned, please note that the tape has to be laid inwards by 2 mm from the front edge of the joint for safety reasons.

If installed in joints underlying particularly high strains (parking decks, sewage plants, bridge construction etc.) please provide us with the appropriate details, so that we may provide you with the corresponding technical support.

Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2024. Please request the latest version after Jan. 01, 2025.

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