

H0806071 VSR 600 Product Datasheet Vitaseal 600.doc  
**Product data sheet**  
**VITASEAL VSR 600**

## Dimensions

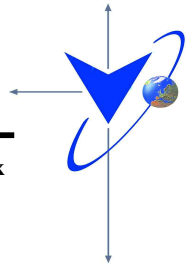
Dimensions W (mm)	Expanded thickness (mm)	Joints from ... to ... (mm)	Length in m per coil
10 / ..	5	1-2	15
10 / ..	9	1.5 – 3	12.5
15 / ..			
20 / ..			
10 / ..	13	2 – 4	10
15 / ..			
20 / ..			
15 / ..	17	3 – 7	8
20 / ..			
15 / ..			
20 / ..	26	5 – 10	5.60
20 / ..			
25 / ..			
25 / ..	33	7 – 12	4.30
25 / ..			
30 / ..			
25 / ..	44	8 – 15	3.30
30 / ..			
25 / ..	53	10 – 18	3
30 / ..			

## Instructions for use

- Check whether it is possible to use joint tapes.
- Clean edges of the joints and check that they are parallel (max. 4°).
- Find the joint width taking into account the movements of the structure.
- Select the appropriate joint tape.
- Cut off the starting and end piece and add 1 cm of tape to each metre of joint.
- Fit from bottom to top, secure the tape with wedges if necessary.
- To regulate the delayed expansion:
  - Rolls can be warmed in winter and cooled in summer.
  - Compress strip goods mechanically down to the required compression level.
- Affix the tape to the edge of the joint with a little back displacement (1 – 2 mm).
- If the joint edges are wet, secure the tape every 20 cm with wedges.
- Do not place the tape around corners – use butt joints.
- Cross and T-shaped joints: Vertical joint overlaps horizontal joint, run the vertical joint right through.

**Adhesion instructions:** The self-adhesion may cause problems in very narrow joints and may be neutralised temporarily with a little water. Prefabricated concrete components and other heavy elements must be installed using the appropriate spacers.

- Secure the tape residue with adhesive strips and store flat.
- The expansion time and capacity depend heavily on the storage time and tape age.
- Position the self-adhesion downwards on horizontal joints.



## Product data sheet VITASEAL VSR600

### Product description

**VITASEAL VSR600** is a high quality joint sealing tape made of soft polyurethane foam. It is supplied in the form of pre-compressed (delayed expansion) rolls.

### Applications

- Joints that are open to water vapour diffusion and sealed to driving rain in all buildings.
- Window and door installations that are sealed to driving rain.
- Seals on facades (working and movement joints) that can be painted to prevent thermal and acoustic bridges.
- Connection joints on facades and both pitched and flat roofs.
- Installation of noise reduction walls and prefabricated concrete components.

### Product benefits and design

- Honest details of initial foam thicknesses and joint tolerances.
- 600 Pa sealing against the effects of weather:  
(Driving rain, wind, UV radiation and temperature cycles) as well as noise reduction features.
- Material on rolls is ready-compressed and self-adhesive.
- Colour dark grey. Suitable for painting.

Technical data and requirements	Standard NF / ISO / DIN	Classification and categories
Impregnation	72%	Flame-retardant synthetic resin
Raw density (non-compressed)	ISO 845	100 kg/m <sup>3</sup> +/- 10%
Temperature cycle resistance	DIN 18 542	-40°C to 100°C
Tensile strength / Breaking elongation	ISO 1798	> 110 kPa / > 120%
Compression strength / Impact strength	NF P 85-571	28 kPa with 75% deformation
Expansion capacity after exposure to weathering in a durability test.	NF P 85-571	Satisfied, expansion > 90%
Resistant to light and moisture	DIN 53 397	Weathering resistance satisfied
Storage time and temperature	HSA	24 months > 1°C < 25°C ***
Stress group / Building materials class	DIN 18542 DIN 4102	<b>BG 1</b> B 1 (non-flammable)
Water vapour diffusion resistance index	DIN 52 615	$\mu < 100 \text{ comp. } 20\%$
Joint permeability	EN 1026	$a < 0.1 \text{ m}^3/[\text{h. m. (daPa)}^2]$
Heat conductivity	DIN 52 612	$\lambda_{10} < 0.045 \text{ W/m.k}$
Compatibility with neighbouring building materials	DIN 52 453	Requirements satisfied
Resistance to driving rain	EN 1027 Previously DIN 18 055	Requirements satisfied for the specified application Over 600 Pa
External monitoring	MPA Hanover	Ü

HSA: Information from manufacturer

\*\*\* Protect from frost – long term storage causes major changes in expansion capacity