

Test Report no. 041118.3 - Sz

– ENGLISH VERSION –

Principal TRAMICO SAS  
Usine de Coulombs  
28210 Nogent le Roi  
France

Date of commission 05.02.2009

Commission Tests on „ACR 300 / 10-18 BG2“  
according to DIN 18542:1999-01 – BG 2  
Summary of test results

The test report comprises 3 pages.

The test material has been consumed.

In case of any dispute, the original German version is decisive.

The test report may only be published unabridged. Any abridged publication requires written consent of the testing institute. The results refer only to the tested samples.



## 1. Description of sample

The company Tramico SA produces impregnated joint sealing tapes. For the production of a homogenous, impregnated sealing tape, flexible polyurethane foam is impregnated with fire retarding resin and is furnished with a self-adhesive and a release paper. The finished, precompressed joint sealing tape, cut in slices, is sold as „ACR 300 / 10-18 BG2“.

## 2. Commission

Summary of test results of the joint sealing tape

### „ACR 300 / 10-18 BG2“

and comparison of the results with the requirements of DIN 18 542 „Abdichtung von Außenwandfugen mit imprägnierten Dichtungsbändern aus Schaumkunststoff; Imprägnierte Dichtungsbänder Anforderungen und Prüfung“ according to classification group BG 2.

## 3. Testing results and requirements

The following test reports are concerned with the joint sealing tape „ACR 300 / 10-18 BG2“:

- 1) Test report 031006 issued 05.08.2003 by the Materialprüfanstalt für das Bauwesen Hannover
- 2) Test report 040507 issued 29.04.2004 by the Materialprüfanstalt für das Bauwesen Hannover
- 3) Test certificate 030797 issued 27.06.2003 by the Materialprüfanstalt für das Bauwesen Hannover

The test results, arranged in the table, are extracted from these test reports / - certificate.

Table: Comparison of the test results with the requirements of DIN 18542 for the joint sealing tape „ACR 300 / 10-18 BG2“

Test	Test acc. to DIN 18542, section	Test result	Requirements of DIN 18542 for BG 2	Documented in test report
Air permeability coefficient at 10 Pa (tape width 30 mm)	7.2	0.10 $\text{m}^3/(\text{h} \cdot \text{m} \cdot (\text{daPa})^{1.02})$	$\leq 0.1$ $\text{m}^3/(\text{h} \cdot \text{m} \cdot (\text{daPa})^n)$	MPA BAU test report no.: 040507
Driving rain tightness of joints (Tape width 30 mm)	7.3	600 Pa	$\geq 300$ Pa	MPA BAU test report no.: 040507

Table (continued): Comparison of the test results with the requirements of DIN 18542 for the joint sealing tape „ACR 300 / 10-18 BG2“

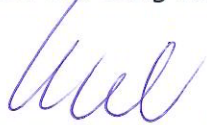
Test	Test acc. to DIN 18542, section	Test result	Requirements of DIN 18542 for BG 2	Documented in test report
Resistance to change in temperatures (Tape width 30 mm)	7.5	passed	from -20°C to +60°C	MPA BAU test report no.: 031006
Compatibility with adjoining construction materials (Tape width 30 mm)	7.7	passed	up to 60°C	MPA BAU test report no.: 031006
Reaction to fire	7.8	B2	B2	MPA BAU test certificate no.: 030797
Water vapour diffusion resistance coefficient $\mu$ (Tape width 30 mm)	7.9	3.9 (in 12 mm joint, = 24% residual height)	$\leq 100$	MPA BAU test report no.: 040502

Residual height = height of the sealing tape related to the height of the uncompressed tape

#### 4. Conclusion

According to the results of the tested samples, mentioned in the test reports / -certificate, the joint sealing tape „ACR 300 / 10-18 BG2“ fulfils the requirements related to DIN 18 542 classification group BG 2.

Hanover, 26th March 2009  
Head of Testing Institute

  
(RD Dipl.-Ing. Suhr)



Head of Chemical Laboratory

  
(Dr. rer. nat. Schnatzke)