

Declaration of Performance Nr 13007 dated 2013.12.29	
1. Product name	CRUSHER®
2. Type identification	CRUSHER sealing plugs, size range see annex, batch number see packaging
3. Intended use	Sealing plugs for fire safe wall and floor thermoplastic pipe penetrations
4. Name and contact address of manufacturer	Beele Engineering BV Vierde Broekdijk 12 7122 JD Aalten The Netherlands
5. Name and contact address of authorised representative	Not applicable
6. System of assessment and verification of constancy of performance (AVCP)	System 1
7. Notified Body	Not applicable
8. Technical Assessment Body	<p>Technical Assessment Body No.0620, Kiwa Nederland BV, issued ETA 13/0941 on the basis of ETAG 026 part 2, performed the activities:</p> <ul style="list-style-type: none"> • the evaluation and approval of the products based on initial type assessment (including sampling) • the initial inspection of the production installation and the factory production control • the permanent surveillance and evaluation of the factory production control <p>and issued certificate of constancy of performance of the product with the unique number 78543</p>



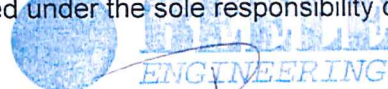
BEELE
ENGINEERING

9. Declared performance			
Essential characteristics	Performance	Standard	Harmonised technical specification
Reaction to fire • Classification	Class E	EN-ISO 11925-2 EN 13501-1	ETAG 026 part 2
Resistance to fire • Fire resistance classification	EI 240-C/U and E 240-C/U	EN 1366-3 EN 13501-2	
Air permeability	NPD		
Water permeability	NPD		
Emission of dangerous substances or radiation	NPD		
Mechanical resistance and stability	NPD		
Airborne insulation	NPD		
Water vapour permeability	NPD		
Durability and serviceability Use categories: Type Z ₁ , Z ₂			
1. Durability of physical-mechanical properties	No essential change in performance	EOTA TR 024, table 4-2	
2. Components and materials compatibility	Compatible with thermoplastic pipes, concrete wall and floor and metal or hard plastic conduit pipes		
3. Physical-mechanical properties Density Limited oxygen index (LOI) Expansion ration Expansion pressure	1,45 – 1,55 Mg/m ³ ≥ 45 % ≥ 2,5 ≥ 190 hPa	ISO 2781 ASTM D2863 Internal test Internal test	

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Aalten, 2013.12.29



BEELE Engineering BV
Beunkdijk 11 NL - 7122 NZ AALTEN
Phone: +31 543 461629 Fax: +31 543 461786

J.A. Beele
Managing Director

BEELE Engineering BV
Beunkdijk 11
NL - 7122 NZ AALTEN

Phone: +31 543 461629
Fax: +31 543 461786
E-mail: info@beele.com

IBAN: NL91INGB0691416710
SWIFT: INGBNL2A
BTW/VAT: NL003023679B01

Registered at the Chamber of Commerce Arnhem under Nr. 09077289
Our sales conditions are filed June 2004 at the Chamber of Commerce Arnhem

ANNEX
List of CRUSHER plugs

thermoplastic pipe diameter	CRUSHER type	thermoplastic pipe diameter	CRUSHER type
16	30/16	63	77/63
	35/16		80/63
	37/16		82/63
	40/16		90/63
18	30/18	75	100/63
	35/18		100/75
	37/18		105/75
	40/18		107/75
20	35/20	90	110/75
	37/20		125/90
	40/20		128/90
	41/20		130/90
	50/20		131/90
25	40/25	110	138/110
	41/25		149/110
	50/25		150/110
	51/25		154/110
32	48/32		159/110
	50/32		160/110
	51/32		
	53/32		
	54/32		
40	50/40		
	51/40		
	53/40		
	54/40		
	60/40		
	64/40		
50	70/50		
	75/50		
	77/50		
	80/50		
	82/50		
60	77/60		
	80/60		

Following lengths are available: 110-140-150-160-170-210

All dimensions in mm