DRIZORO® Construction Products

MAXCEL®

POLYETHYLENE FOAM JOINT BACKING ROD

DESCRIPTION

MAXCEL® is a closed cell, circular polyethylene foam profile obtained by continuous extrusion, for the application of sealants in joints.

APPLICATION FIELDS

- ***MAXCEL***® is used as backing and depth control filler for expansion or waterproof joints that will be later sealed, between the same or different construction materials.

- It can be used as a complement for sealing joints in structural concrete walls, pre-fabricated concrete elements, joints in pavements with sealants of the range ***MAXFLEX*** ® or ***MAXJOINT*** ® ***ELASTIC***.

ADVANTAGES

- Easy to work with because of their low weight.
- Adequate compression resistance allowing good application of the sealing material.
- No water absorption because of its closed cell structure.
- Its higher density superficial layer provides the profile with good mechanical resistance, not hindering its workability.
- Especially appropriate as backing for joints to be sealed with silicones, polysulphides, polyurethanes. polyacrylates, etc.
- In the joints constructed with ***MAXCEL***®, the lack of adhesion of the sealing material to the polyethylene makes the stress at the joint appear exclusively perpendicular to the joint, with no stress on the backing.
- Convex surface.

APPLICATION INSTRUCTIONS

Application

The application of ***MAXCEL***® profiles is very simple. It is compressed lightly against the borders of the joints, afterwards ***MAXCEL***® is placed a depth required using for that a suitable tool.

The diameter of the section will be chosen keeping in mind that they should be compressed around 25 %, so that once placed in the joint, they are fixed perfectly and do not move when the sealing material is applied.

IMPORTANT INDICATIONS

- Do not place ***MAXCEL***® using sharp tools which could damage the surface.

- Do not use on ***MAXCEL***® sealing materials at temperatures above 70 °C, such as molten bituminous fillers.

- For other uses not specified in this Technical Bulletin consult our Technical Department.

PACKAGING

MAXCEL® is supplied with different diameters with circular section.

Diameter(mm)	**Length per carton.**
6	2.500 mts./reel
10	1.150 mts./reel
15	550 mts./reel
20	350 mts./reel
25	200 mts./reel
30	160 mts./reel
40	270 mts. l in 2 m pieces
50	180 mts. l in 2 m pieces
Dimensions of the box/reel:	550 x 550 x 600 mm
Dimensions of the box/pieces:	2050 x 415 x 620 mm
Tolerances in length, (m) diameter 40 mm diameter 50 mm	1,96 - 2,04 1,96 - 2,04

STORAGE

MAXCEL® can be stored indefinitely in its unopened package, in a dry and covered place. Protect against direct sunlight or heat sources.

SAFETY AND HEALTH

For further information, Safety Data Sheet of ***MAXCEL***® is available by request.
Disposal of the product and its empty containers must be made by the final user and according to official regulations.

TECHNICAL DATA

Characteristics of the product	
Apparent density (kg/m^3)	40 (*)
Traction resistance lengthwise (kg/cm^2)	400 (*)
Traction resistance perp. to length (kg/cm^2)	310 (*)
Elongation lengthwise (%)	15 (*)
Elongation perpendicular to length (%)	8 (*)
Tear resistance lengthwise (kg/cm)	108 (**)
Tear resistance perpendicular to length (kg/cm)	60 (**)
Elasticity (%)	10 (*)
Dimensional stability	Excellent
Resistance to deformation	Good
Thermal stability, (° C)	From -40 to 60
Water absorption	Nule

(*) Test ASTM D-1564-71
(**) Test ASTM D-624-71

GUARANTEE

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