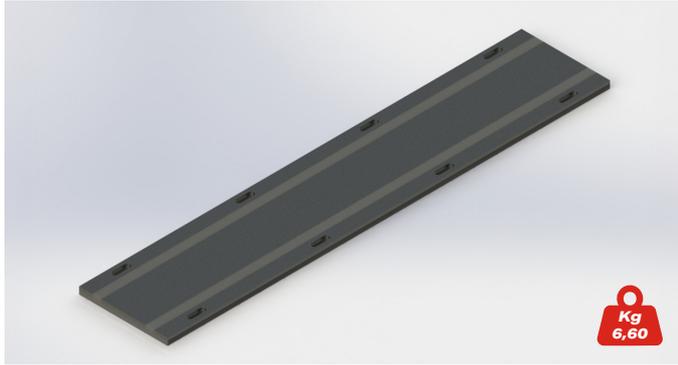


OPERATIONAL EXPANSION ± 10

RGJ20 UNDERPAVEMENT JOINT

RONAMFLEX expansion joints are manufactured in compliance with EU regulations.



Designed to serve as a **flush joint cover**, accommodate relative movements between two decks, prevent the infiltration of rainwater through the gap, and ensure structural continuity of the pavement at the joint location.

The metal reinforcements are made of cold-rolled **S275JR steel** according to UNI 7070 standards, and the rubber-to-steel adhesion exceeds 10 N/mm.

The anchoring of the components is achieved using galvanized steel threaded rods with an anti-unscrewing system, secured with epoxy resin for perfect integration into the structure.

RUBBER PROPERTIES	M.U.	REQUIREMENTS	TEST METHODOLOGY UNI
Nominal Hardness	Shore A3	60	868
Hardness Field	Shore A3	55÷65	
Specific Hardness Tolerance	Shore A3	± 5	
Breaking Load	N/ mm ²	> 15,5	6065
Elongation at Break	%	> 450	6065
Last deterioration after compression of 25% 24 h 70°	%	< 20	4913
Thermal deterioration after 96 h 70°C maximum hardness variation	Shore A3	± 10	5408

RUBBER PROPERTIES	M.U.	REQUIREMENTS	TEST METHODOLOGY UNI
Maximum resistance at break variation	%	- 15	5408
Maximum variation elongation % at breaking	%	- 20	5408
Ozone resistance (50 p.p.c.m. 20% elongation 96 h 40°C)		no cracks	6067-6068
Fragility limit temperature	°C	< - 25	7320
Rubber-metal attack	N/mm	> 10	5405
G Modulus	N/mm ²	0,9	EN 1337-3 : 2005
Tolerance Modulus	%	± 15	

PROPERTIES OF S275JR STEEL	M.U.	REQUIREMENTS	TEST METHODOLOGY UNI EN
Tensile strength at break	N/ mm ²	R > 430	10025
Exhaustement tension	N/ mm ²	Rs > 275	10025
Elongation at break	%	A > 23%	10025

