

水膨張止水材
ネオスパンシール

NEO SPAN SEAL

DSW/CCR Series

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 **早川ゴム株式会社**
ホームページ <http://www.hrc.co.jp/>

High quality and proven reliability

Hydrophilic gaskets

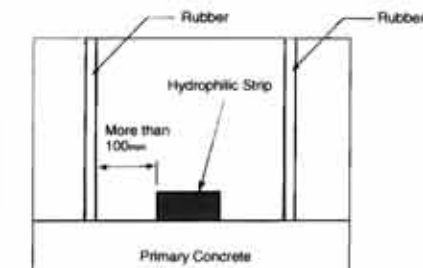
NEO SPAN SEAL DSW-CCR Series



Examples of usage

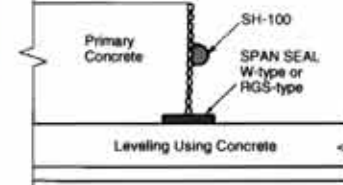


Construction Joint



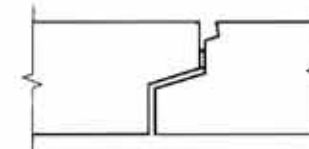
注意：コンクリートの乾きが早い場合、乾き任せによりクラックが発生することがあります。

Single Component Hydrophilic Sealant SH-100



Precast Concrete Joint

• Recommended grade: CCR-A-type (with adhesive backing)



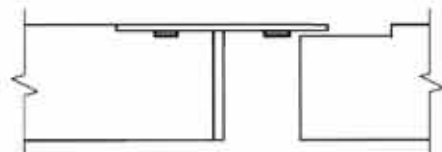
Segment

• Recommended grade: CCR-A-type



Proplusion

• Recommended grade: CCR-A-type (with adhesive backing)

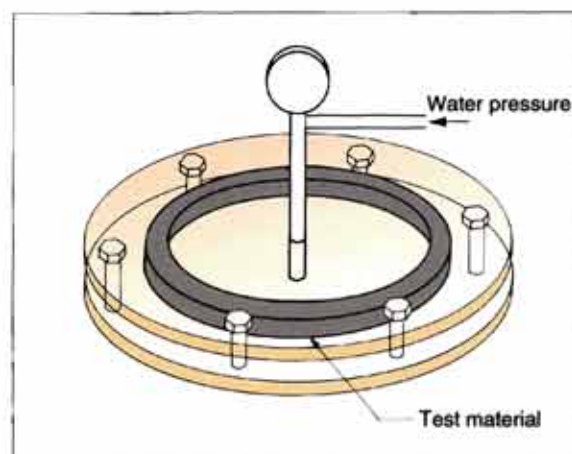


Steel Flange Test

Water Pressure	Product	CCR-M-0520	CSG-M-0520
0.098 MPa		No seepage	No seepage
0.196 MPa		No seepage	No seepage
0.294 MPa		No seepage	No seepage
0.392 MPa		No seepage	No seepage
0.490 MPa		No seepage	No seepage

<Test conditions>

- Segment sealing and seam sealing were tested.

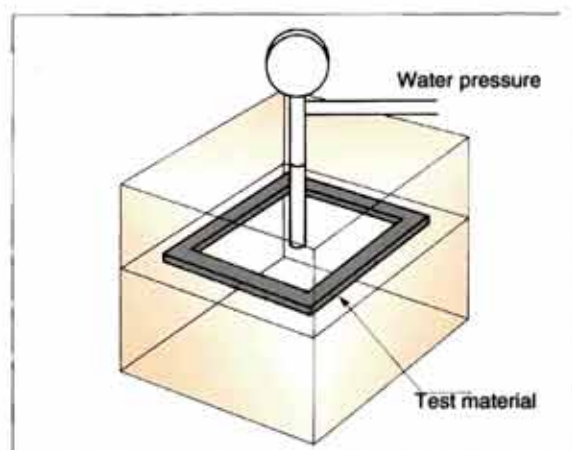


Poured Concrete Seam Test

Water Pressure	Product	DSW-M-0930-TG	DSW-M-0930-T	SH-100
0.098 MPa		No seepage	No seepage	No seepage
0.196 MPa		No seepage	No seepage	No seepage
0.294 MPa		No seepage	No seepage	No seepage
0.392 MPa		No seepage	No seepage	No seepage
0.490 MPa		No seepage	No seepage	No seepage

<Test conditions>

- An on-site test of poured concrete joint was conducted.
- Both pre-formed strip and single component hydrophilic sealant were tested side-by-side. product: SANTAC SEALANT SH-100



PREFACE

In recent years, the fields of architecture and civil engineering have seen tremendous advances in construction methods and technology. These advances have also brought about continued research on construction materials, resulting in the development of new products. Hayakawa Rubber Co., Ltd. has endeavored to respond to the ever changing needs of the world time and again by introducing new waterproofing and gaskets to the market. Now we would like to announce the development of a new product of superior quality and reliability: the hydrophilic gasket. This product, combined with the technology, service, field support and sincerity for which we are famous, is fast becoming the most widely used sealant of its kind.

About Hayakawa Rubber hydrophilic gaskets

- Our standard products, as well as specialized products, are available in a wide range of sizes.
- An expansion rate of 200% or 800% makes this product suitable for all uses.
- Precast concrete joint strip is available with adhesive backing. Easily attached to the concrete, and requiring adhesive to be applied to only one side, this strip makes for simple installation.
- Poured concrete joint strip can be used with our SAPAN SEAL for greater reliability and sealing strength. For projects subject to inundation from rain water, our coretype hydrophilic strip helps avoid expansion of the strip before secondary concrete pouring.
- Single component hydrophilic sealant is a paste-type sealant for use in those places where pre-formed sealants cannot be used.

Special characteristics

- Being a rubber product, it is highly elastic, returning to its original shape even after compression.
- This chemically stable material affords high durability.
- In the event of seepage, the moisture is absorbed by the rubber, which then expands.
- Proven reliability even when seepage contains metallic ions.



For Precast Concrete

Product No.	Expansion Factor	Size (t×w)	Quantity per Case
CCR-0510	S	5×10mm	10m×14rolls
CCR-0515		5×15mm	10m×10rolls
CCR-0520	M	5×20mm	10m × 8rolls
CCR-1020	L	10×20mm	5m × 8rolls
CCR-1520		15×20mm	5m × 8rolls

※ S=Two times M=Four times L=Eight times

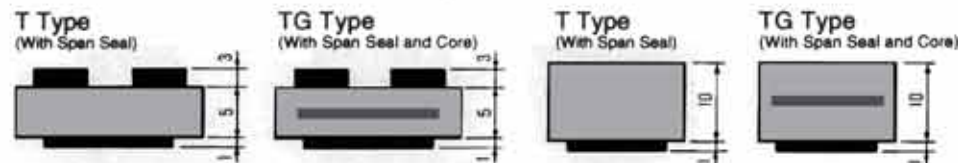
■ With Adhesive Backing



For Construction Joint

Product No.	Expansion Factor	Size (t×w)	T (With Span Seal)	TG (With Span Seal and Core)	Quantity per Case
DSW-0930-T	M	9×30mm	○		5m×6rolls
DSW-0930-TG		9×30mm	○	○	5m×6rolls
DSW-1020-T		10×20mm	○		5m×8rolls
DSW-1020-TG		10×20mm	○	○	5m×8rolls

※ S=Two times M=Four times L=Eight times



Adhesive

Product	Adhesive	Quantity per Can
CCR series	santac-bond CCR-10	1kg
		14kg
DSW series	santac-bond PB-50	1kg
		14kg

Single Component Hydrophilic Sealant

Product No.	Expansion Factor	Type	Quantity per Case
SANTAC SEALANT SH-100	2 Times	320cc Cartridge	24 Cartridges

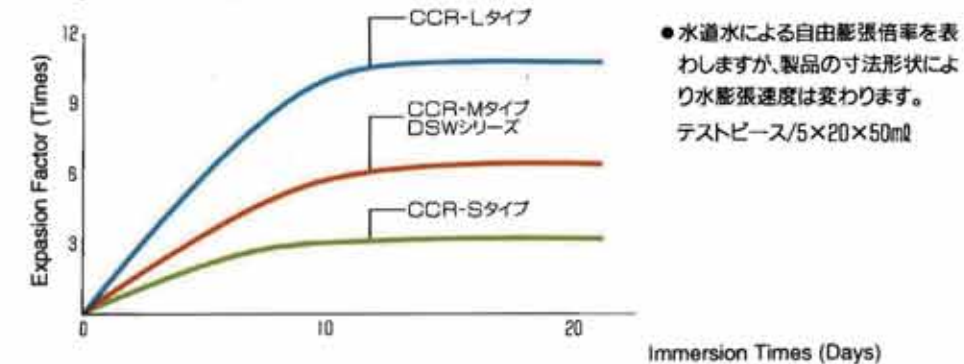
※ This moldable, curable paste is suitable for a wide variety of users.

Non-vulcanized Hydrophilic Strip

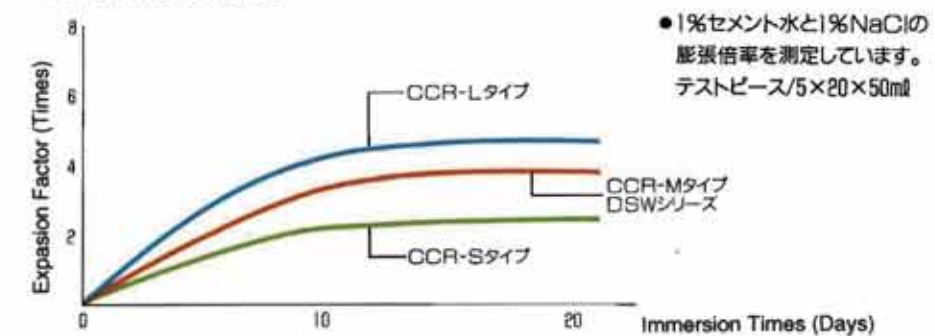
Product No.	Expansion Factor	Size (t×w)	Quantity per Case
DSW-30	1.3 Times	5×15mm	10m
DSW-80	1.8 Times	5×20mm	13m

※ Made from non-vulcanized rubber, This sealant is extremely pliant and responsive to low level compressive stress.

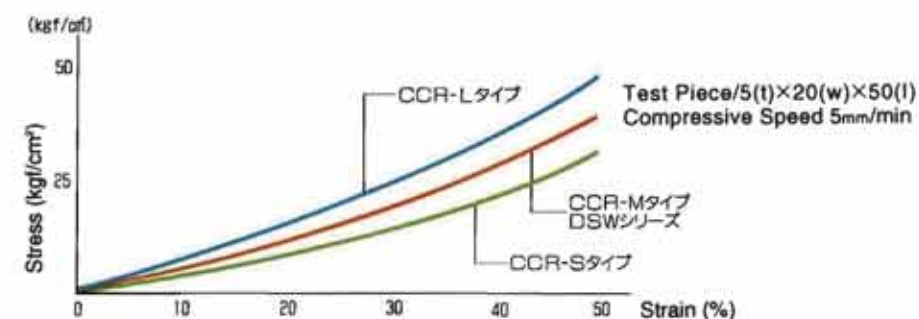
Hydro-Expansion Rate in Purified Water



Hydro-Expansion Rate in Solution Contained Metallic Ions



Compressive stress



Physical Properties

Characteristic	Product No.	CCR・DSW			SH-100
		S	M	L	
Tensile Strength MPa(kgf/cm ²)		6.2 (64)	5.4 (56)	4.3 (44)	4.1 (42)
Elongation (%)		760	730	690	1050
Hardness JIS-A		47	50	50	31