

| General Quality of SR-Bond S-90 |                           |            |
|---------------------------------|---------------------------|------------|
| Basic Polymer                   | Modified Silicone Polymer |            |
| Specific Gravity                | 1.70                      | at 23°C    |
| Tack Free Time                  | 1 hr                      | 30°C60%RH  |
| Nonvolatile Content             | 99 %                      | 105°CX 3hr |
| Hardness                        | 50                        | JIS Type A |
| Application Temperature         | 5 °C to 40 °C             |            |
| Service Temperature             | -10 °C to 90 °C           |            |
| Shelf Life                      | 12 months                 |            |

### Accelerated weathering test



Equivalent to 8 - 13 year  
in Japan

### Packing and Colour



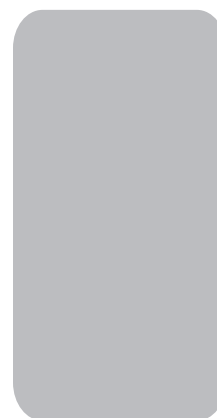
10 Sausage / pack



Primer#90 (not include in pack)



600ml.



Light Gray

# Modified Silicone SR Bond

## High Performance Sealant & Adhesive

**New Item**

**Weatherproof**

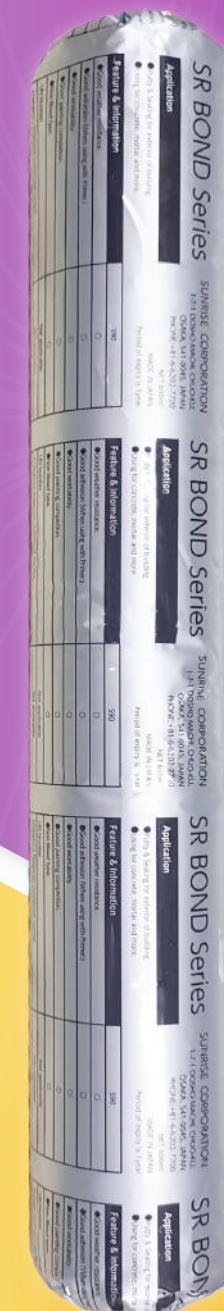
**Non-Stain**

**Paintable**

**No Volume Shrinkage**

**Sanding**

**Low VOC**



**Made in Japan**



ASTM C1248

JSIA F ★★★★★

**Authorized Dealer By**

Plic Firston ( Thailand ) Co.,Ltd.  
Tel : 02-159-8222 Ext.509  
www.plicfirston.co.th

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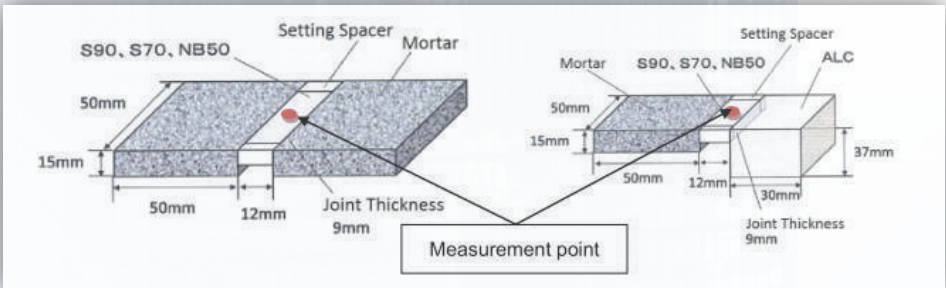
1-PART MODIFIED SILICONE

SR Bond S90

**SR Bond S90** is a high performance Modified Silicone polymer sealant. SR Bond S90 has been developed to be suitable for use in many building materials. SR Bond S90 is a special formula that does not stain compliance with ASTM C1248 - tested by TUV SUD and can be polished to smooth. Good painting completion because it is a non-bleed type. Can be used both interior and exterior.



No Volume Shrinkage



| Shrinkage Test (Mortar x Mortar ) |               |         |         |        |         |
|-----------------------------------|---------------|---------|---------|--------|---------|
| mm.                               |               |         |         |        |         |
| Temperature                       | 23°C          | 35°C    |         | 50°C   |         |
| Time                              | After Sealing | 1 week  | 4 week  | 1 week | 4 week  |
| SR Bond S90                       | ± 0           | + 0.048 | + 0.060 | +0.170 | + 0.125 |

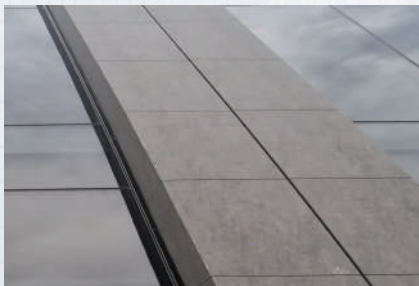
| Shrinkage Test (Mortar x ALC) |               |         |         |        |         |
|-------------------------------|---------------|---------|---------|--------|---------|
| mm.                           |               |         |         |        |         |
| Temperature                   | 23°C          | 35°C    |         | 50°C   |         |
| Time                          | After Sealing | 1 week  | 4 week  | 1 week | 4 week  |
| SR Bond S90                   | ± 0           | + 0.079 | + 0.085 | +0.113 | + 0.063 |



SEALING

PUTTY

ADHESIVE



Application

- Joint sealing for Precast Concrete
- Joint sealing for Aluminium
- Joint sealing for Fiber Cement, Timber
- Joint sealing for Tiles, Marble&Granite
- Repairing of Concrete crack
- Filling in crack inducing groove
- Bonding many construction materials



| Adhesion Test of SR-Bond S-90                                |                                       |        |                   |                                                                                               |                                |                      |
|--------------------------------------------------------------|---------------------------------------|--------|-------------------|-----------------------------------------------------------------------------------------------|--------------------------------|----------------------|
| Test Condition<br>(Mortar Joint Size: t8x10x50)              |                                       |        | 50%Tensile Stress | Maximum<br>Tensile Stress                                                                     | Elongation at<br>Maximum Force | Destruction<br>State |
| Curing Condition                                             | PC Condition                          | Primer | (N/mm2 )          | (N/mm2)                                                                                       | (%)                            | *2                   |
| Standard Curing<br><br>23°C50%RH 14days<br>+30°C50%RH 14days | Dry                                   | #90    | 0.75              | 0.81                                                                                          | 147                            | C100                 |
|                                                              |                                       | Non    | 0.75              | 0.83                                                                                          | 153                            | C98,M2               |
|                                                              | Wet *1                                | #90    | 0.77              | 0.85                                                                                          | 145                            | C100                 |
|                                                              |                                       | Non    | 0.76              | 0.83                                                                                          | 142                            | C98,M2               |
| Water Resistant                                              | Dry                                   | #90    | 0.35              | 0.39                                                                                          | 141                            | C100                 |
|                                                              |                                       | Non    | 0.42              | 0.44                                                                                          | 103                            | C18,T55,A27          |
| After Standard Curing<br>+23°CWaterX7days                    | Wet                                   | #90    | 0.39              | 0.45                                                                                          | 167                            | C100                 |
|                                                              |                                       | Non    | 0.40              | 0.36                                                                                          | 47                             | T27,A73              |
| Thermal Resistant                                            | Dry                                   | #90    | 0.63              | 0.80                                                                                          | 166                            | C100                 |
|                                                              |                                       | Non    | 0.59              | 0.80                                                                                          | 180                            | C98,A2               |
|                                                              | After Standard Curing<br>+80°CX14days | Wet    | #90               | 0.60                                                                                          | 0.66                           | 106                  |
| Non                                                          |                                       |        | 0.60              | 0.70                                                                                          | 138                            | C94,T2,A2,M2         |
| *1, Wet (23°CWaterX7days + Dry at 23°C50% RH 12 hrs)         |                                       |        |                   | *2, C=Cohesion Failure T=Thin Layer Cohesion Failure<br>A=Adhesion Failure M=Material Failure |                                |                      |



Sanding