

RESILIENT ARMOUR

**CONCRETE CONDITIONS
INSTALLATION TOLERANCES
MATERIALS & CAULK
METAL EXTRUSIONS**

2020 EDITION

Includes all the information you need for
the Resilient Armour panel treatment process.

1. Preparing the Sub-Floor

Surfaces to receive a Resilient Armour panel should be clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that might prevent a good bond. For best installation results, concrete floors should be flat and smooth and within 1/8" in 6 feet or 3/16" in 10 feet. A flat floor with a FF 36/FL 20 value is the preferred surface. Both new construction, but especially renovation projects or "retrofit installations" may vary in degree of floor flatness and require additional concrete remediation efforts, to achieve a flat floor with a FF36/FL20 value. In these cases, please consult with customer to determine remediation costs for additional corrections required to deliver a floor meeting this standard.

It is important to note that substrate imperfections cannot be eliminated with the installation of RA floor panels. The final installed floor will follow and reflect the concrete surface on which it is installed. When panels are installed on less than optimal surface conditions, the substrate flaws may telegraph or transmit to the finished surface in a variety of manners. When this occurs, it does not mean that the floor system has been installed incorrectly, outside the performance tolerances or that the installation is incorrect or a failure. If the customer elects to have their RA floor installed on a surface that does not meet the FF36/FL20 value, the process of using sanded caulk to fill gaps and spaces will remedy most of these situations and help to diminish less than perfect outcomes. Regardless, there is no performance failure, insufficient floor integrity, product or installation failure; as these conditions are the result of the previous value decision-making; **made in consult with the customer.** A value decision to have your RA floor installed over less than optimal floor conditions will dictate the final result and the floors visual appearance. In these cases, the remedy is to fill these gaps or variations with the matching sanded caulk to address these conditions. When correcting any uneven surface to re-mediate ponding or floor flatness issues, the following products are recommended:

- a. Laticrete NXT Plus Grey 55 lb
- b. Mapei Self Level Plus Gray 50 lb

2. Treating Control Joint

Control Joints should be cleaned and filled with Sanded Acrylic Caulking and covered with floor patch. Following products are to be used when treating saw cut joints.

- a. Laticrete 3701 Modified Mortar Bed 60 lb
- b. Mapei Planipatch 45 lb

- a. Laticrete Acrylic Caulking
- b. Mapei KeraCaulk S (Sanded)

3. Treating Installation Panel Gaps | Gaps Around Vehicle Lifts & In-Ground Elements

Depending on floor levelness, there may be minor gaps between floor panels after installation. Gaps that are greater than the thickness of a credit card (30 mils, .75 mm, or 0.03") in dimension, are recommended to be filled with matching sanded caulk. Additionally, floor panels that are cut around vehicle lifts or other facility in-ground elements should be caulked as well. The following color match caulk product is to be used.

Resilient Armour Color	Laticrete Acrylic Caulking	Mapei KeraCaulk S (Sanded)
Charcoal	Laticrete: # 45 Raven	Mapei : # 10 Black
Gunmetal	Laticrete: # 60 Dusty Grey	Mapei : # 09 Gray
Platinum	Laticrete: # 78 Sterling Silver	Mapei : # 02 Pewter
Bronze	Laticrete : # 24 Natural Grey	Mapei : # 107 Iron
iWhite	Laticrete : # 90 Light Pewter	Mapei : # 01 Alabaster

4. Metals Transitions At Overhead Door & Man Door

Metal transition are recommended to provide a smooth transition between floor panel and substrate at lower elevation. Following product are recommended transitions.

- a. OH Door to Concrete: 1/4" - Schluter Reno Ramp AERP60B50 (for 5mm & 3mm surfaces)
- b. Man Door : 1/8" - RA.GL Reducer RA.GLM-LVRC30 (for 3mm)
- c. Man Door : 7/32" - RA.GL Reducer RA.GLM-LVRC50 (for 5mm)