



DURADERZ

TWO COMPONENT, CEMENT AND ACRYLIC EMULSION BASED JOINT SEALANT FOR INDUSTRIAL FLOORING SYSTEMS

- Flexible
- UV resistant
- Easy to apply

DESCRIPTION

DURADERZ is a two component, cement and acrylic emulsion based, flexible, water and abrasion resistant, high adherence joint sealant for industrial flooring systems that can be supplied pigmented to suit industrial flooring products.

TYPICAL APPLICATIONS

- Can be used as a flexible joint sealant in internal and external applications,
- Shrinkage joints,
- Crack repairs,
- Joints where flexibility is required.

ADVANTAGES

- Can be applied on fresh concrete after 24 hours.
- Resistant to water, oil, gas, diesel, sodium hydroxide, salt, sea water and waste water.
- Water resistant.
- Flexible.
- UV resistant.
- Frost resistant.
- Easy to use.

TECHNICAL PROPERTIES

Color: Red, Green, Natural

Physical State: Powder

Mortar Density: $1.70 \pm 0.05 \text{ g/cm}^3$

Application Temperature: $+5 \text{ }^\circ\text{C}$ to $+35 \text{ }^\circ\text{C}$

Mortar Usage Duration: max. 60 min.

Leveling Time: max. 20 min.

Available For Traffic in: 24 to 48 hours

Service Temperature: $-30 \text{ }^\circ\text{C}$ to $+80 \text{ }^\circ\text{C}$

Abrasion Resistance (EN 12808-2): $\leq 1000 \text{ mm}^3$

Bending Strength (EN 12808-3): $\geq 2,5 \text{ N/mm}^2$

Compression Strength (EN 12808-3): $\geq 15 \text{ N/mm}^2$

Shrinkage (EN 12808-4): $\leq 3 \text{ mm / m}$

Water Absorption (After 30 min.) (EN 12808-5): $\leq 2 \text{ g}$

Water Absorption (after 240 min.) (EN 12808-5): $\leq 5 \text{ g}$

The values above are valid for $23 \text{ }^\circ\text{C}$ and 50% relative humidity.

Reference Standards

In compliance with TS EN 13888 / CG2WA standards.

DIRECTIONS FOR USE

SURFACE PREPARATION

- Joint strips should be cut at a maximum width of 4 m, according to the design of the building.
- The joint depth is recommended to be at least 1/3 of the depth of the concrete slab. The thickness of the knife should be 4 - 5 mm.
- Fill the joints with **DURADERZ**.
- After cutting, the joints should be thoroughly cleaned and then dampened with clean water. Make sure that the joints are free from any kind of dirt, grease, oil and loose materials, then place the backer rod into the joints before **DURADERZ** application.

MIXING

- 10 kg of the liquid component of **DURADERZ** is put into a clean mixing pot and the 20 kg powder is slowly added to the liquid, whilst mixing with a slow-speed mixer until lump free, homogeneous mixture is achieved.

- **DURADERZ** is then placed into the joints by using a spatula or a gun. Masking tape application on the sides is recommended to be used prior to **DURADERZ** application to keep the sides of the floor clean.

WATCHPOINTS

- Joints should be free from any kind of dirt, grease, oil and loose materials. Dampened the surface prior to application.
- Prepare the mixture using the liquid component at the ratio specified. Do not add water into the mixture.
- Always add the powder into the liquid.

CONSUMPTION

The following table shows the length of the construction joint (in meters) that can be filled by 1 kg. of **DURADERZ**

JOINT DIMENSIONS (cm)

Width \ Depth	0,5	1	1,5	2	2,5	3	3,5	4
0,5	23,5	11,8	7,8	5,9	4,7	3,9	3,4	2,9
1		5,9	3,9	2,9	2,4	2,0	1,7	1,5
1,5			2,6	2,0	1,6	1,3	1,1	1,0
2				1,5	1,2	1,0	0,8	0,7
2,5					0,9	0,8	0,7	0,6
3						0,7	0,6	0,5
3,5							0,5	0,4
4								0,4

PACKAGING

Component A: 20 kg craft bag

Component B: 10 kg plastic container

STORAGE AND SHELF LIFE

Store in dry and cool locations. Shelf life is 12 months under suitable storage conditions. Avoid from storing at temperatures below $+4 \text{ }^\circ\text{C}$.

HEALTH AND SAFETY

As with all chemical products care should be taken during use and storage. Avoid contact with food, skin, clothes, eyes and mouth. If accidentally ingested seek immediate medical attention. In case of contact with skin or eyes, wash with a plenty of water and soap. Should be kept away from children. Reseal containers after use. Please consult Material Safety Data Sheet (MSDS) for further information.

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