



Two-component vinylester resin in coaxial cartridge for anchors - 400ml

SISMACAST VE is a two-component coaxial cartridge composed of vinylester resin which is part of the **PREMIER SISMAWALL CRM** system. The product has high performance and is suitable for heavy loads, for fixing metal or composite material elements to solid masonry, concrete, wood and perforated brick supports. The reduced polymerization and cross-linking times allow the various application phases to be optimized and allow for low loading times. **SISMACAST VE** is made up of two components, the resin and the hardener, already proportioned in their correct ratio, which are mixed only during extrusion.

ETA (European Technical Assessment) updated in accordance with the Construction Products Regulation 305/2011. **ETA-09/0140** : Qualification according to EAD-330499 for non-cracked concrete, Option 7. Seismic qualification according to the new EOTA Technical Report TR049. The product is approved for fixings with a variable anchoring depth, to give the designer high flexibility. Maximum anchoring depth up to twenty times the nominal diameter of the threaded rod. The certified operating temperatures are in the ranges: $-40^{\circ}\text{C}/+40^{\circ}\text{C}$ (max long period $T^{\circ} = 24^{\circ}\text{C}$), $-40^{\circ}\text{C}/+80^{\circ}\text{C}$ (max long period $T^{\circ} = 50^{\circ}\text{C}$) and $-40^{\circ}\text{C}/+120^{\circ}\text{C}$ (T° max long period = 72°C). **ETA-09/0246**: Qualification according to EAD-330087 for post-installed connections in reinforced concrete. Minimum installation depth in accordance with Eurocode 2 for both cracked and non-cracked concrete. Fire resistance performance, up to a maximum of R240. Seismic qualification for the creation of post-installed connections according to the new EAD 331522 for diameters from $\varnothing 12$ mm to $\varnothing 32$ mm. Certified operating temperatures in the range: $-40^{\circ}\text{C}/+80^{\circ}\text{C}$ (max long-term $T^{\circ} = +50^{\circ}\text{C}$). Concrete category CI 0.4 max.

The **SISMAWALL CRM** system has the CE marking following the E.T.A. n° 22/0787 dated 02/03/2023 obtained in compliance with E.A.D. 340392-00-0104 CRM (Composite Reinforced Mortar) Systems for Strengthening Concrete and Masonry Structures and compliant with the 'Guideline for the identification, qualification and acceptance control of preformed mesh systems in fibre-reinforced composite materials with a polymer matrix to be used for the structural consolidation of existing buildings with the CRM (Composite Reinforced Mortar) reinforced plaster technique.'

INSTALLATION OF CONNECTORS

The installation instructions are as follows:

1. Drill the support respecting the diameter and drilling depth. It is recommended to drill by simply rotating to avoid breaking any internal partitions
2. Remove dust and other loose particles by suction, blower pump or compressed air and then clean the internal surfaces
3. Insert the cartridge into the dispenser gun
4. Dispense the resin and discard the initial part until uniformly colored resin comes out
5. Then apply the resin, starting from the bottom of the hole until adequately filled.
6. Insertion of the connectors into the connection holes by performing a slight rotation to allow perfect distribution and adhesion of the binder around the connector.



CE marking E.T.A.
No. 09/0140

USE

Anchoring of structural components (connectors), between them or the anchoring of the same in the wall support, in structural consolidation systems of existing buildings with the CRM (Composite Reinforced Mortar) reinforced plaster technique

ADVANTAGES

- Certified product
- High mechanical performance
- Reduced loading times
- Excellent dimensional stability
- The hardening reaction of the product occurs even in the presence of water (flooded hole or wet support)
- Low emission product, also suitable for interiors
- Excellent durability and guarantees of performance over time - Product resistant to alkaline hydrolysis
- Styrene free

CONSERVATION

Store dry, at temperatures 5-35°C and away from direct sunlight. Duration 16 months.

All the info on www.premierpremiscelati.it





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PROCESSING TIMES

Support temperature, °C	Workability time	Waiting for loading
40	1 min	20 min
35	2 min	25 min
30	3 min	30 min
25	5 min	35 min
20	7 min 30"	40 min
15	11 min 30"	45 min
10	16 min	1h
5	25 min	1h 30 min
0	45 min	7h
-5	65 min	14h
-10	1h 45 min	24h

ADHESION STRESS f_{bd} [N/mm²] – EC2

d [mm]	C12/15	C16/20	C20/25	C25/30	C30/37	C35/45	C40/50	C45/55	C50/60
Ø 8-14	1,6	2,0	2,3	2,7	3,0	3,4	3,7	4,0	4,3
Ø 14-20	1,6	2,0	2,3	2,7	3,0	3,4	3,7	4,0	4,3
Ø 28	1,6	2,0	2,3	2,7	3,0	3,4	3,4	3,4	3,4
Ø 32	1,6	2,0	2,3	2,7	2,7	2,7	2,7	2,7	2,7

WARNINGS

Product intended for professional use. Check the integrity of the packaging before use and do not use a product that is not perfectly packaged. The insertion of the element must take place within the workability time. Loading must take place only after the indicated hardening time. The customer is required to verify that the product is suitable for the intended use and to ensure that this technical document is valid and not superseded by subsequent updates. During handling and application wear protective clothing, glasses and gloves. The updated technical documents can be found on the website www.premierpremiscelati.it.