

ADVANTAGES



Çimsa Super White family product minimum 85% (Hunter Lab-Y Value) whiteness. **Nona** prevents color difference in dry mix and precast applications.



Nona offers value added properties to the end-products with its high early strength which has been consistent and meets the needs of end-users for several years and Nona is the best fit for your fast recipes.



Nona providing long lasting aesthetics to all applications, clean themselves and the air by oxidizing the gas emissions thanks to the nano particles on their surfaces.



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When portland cement with the equivalent alkali content greater than 0.6% is combined with a silicious aggregate, a silica gel is formed and the system cracks due to the excess water absorption. **Nona** is an alkali-silica reaction resistant type of cement whose equivalent alkali content is below 0.6% .

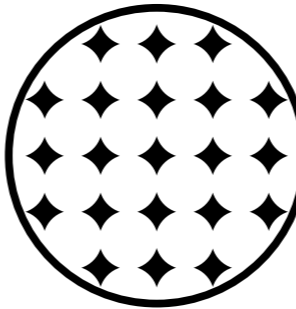


This feature enables Nona to clean itself and the air against molecules such as Co₂, No_x and So_x thanks to their nanotechnology. Since these nanoparticles are not consumed during the reaction, this feature is continuous.

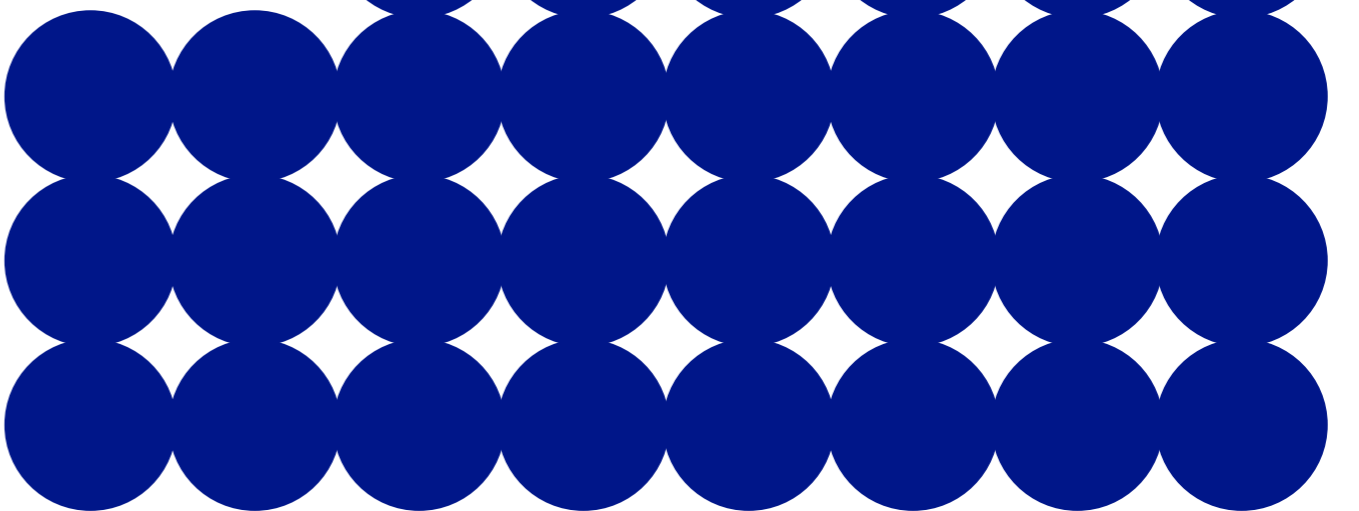


NONA

ÇİMSA



SUPER
WHITE



ÇİMSA

NONA

AESTHETIC THAT LASTS FOR MANY YEARS

Nona is the first patented white cement in Turkey, which the utility model certificate is taken in 2012 by Çimsa Formula Center. It has the property of cleaning the environment and itself against the gas emissions by means of the nano elements in the special phase structure contained in it. It turns the hazardous compounds such as NOx, SOx into salt in the structure in which the application used and it cleans the air and itself with the rain. It is a cement especially preferred in siding and exterior surface coatings.

88% High Whiteness

Cleaning the Air and Itself

Durability

NANO Nano Reinforced

25 KG

50 KG



NONA IS PRODUCED ACCORDING TO EN 197-1 STANDARDS AND HAS THE FOLLOWING PROPERTIES

CHEMICAL PROPERTIES	ÇIMSA VALUES		STANDARD LIMITS		PHYSICAL PROPERTIES	ÇIMSA VALUES		STANDARD LIMITS	
			Min.	Max.				Min.	Max.
Insoluble Residue	%	0,18	-	-	Specific Gravity	gr/cm ³	3,06	-	-
SiO ₂	%	21,6	-	-	Blaine	cm ² /gr	4600	-	-
Al ₂ O ₃	%	4,05	-	-	Whiteness, Y	%	85,5	-	-
Fe ₂ O ₃	%	0,28	-	-	Vicat Initial Set	Minute	100	45,0	-
CaO	%	65,7	-	-	Vicat Final Set	Minute	120	-	-
MgO	%	1,30	-	-	Water Amount	%	30,0	-	-
SO ₃	%	3,30	-	4,0	Le Chatelier	mm	1,0	-	10,0
Ignition Loss	%	3,20	-	5,0	Residue on 45 microns	%	1,0	-	-
Na ₂ O	%	0,30	-	-	Residue on 90 microns	%	0,1	-	-
K ₂ O	%	0,35	-	-	Compressive Strength (2 Days)	MPa	37,0	30,0	-
Cl ⁻	%	0,01	-	0,1	Compressive Strength (7 Days)	MPa	50,0	-	-
Free CaO	%	2,20	-	-	Compressive Strength (28 Days)	MPa	60	52,5	-

