

DUKTAS®

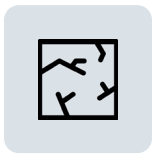
MACRO 36MM AR CHOPPED GLASS FIBRE STRANDS THE IDEAL SHRINKAGE REINFORCEMENT FOR CONCRETE

High-quality, alkali-resistant fibers that distribute evenly, do not float to the surface, and are easy to finish. The tensile strength of Duktas glass fibers is twice that of steel and three times higher than polypropylene. As a result, glass fibers offer the best resistance against cracking and fissures in concrete.

Macro AR 36 glass fibers can be used in concrete floors to replace reinforcement meshes or steel fibers, reducing the likelihood of thermal and shrinkage cracks.

BENEFITS FOR THE USER

- + Easier to use than steel meshes
- + Lighter and easier for transportation and storage
- + Time-saving (no preparatory work required)
- + Reduced risk of accidents and damage
- + Typically more cost-effective than steel meshes



REDUCED RISK OF
CRACKS



STRONGER CONCRETE



FASTER AND EASIER

TECHNICAL DATA	
Material	100% Alkali-resistant chopped glass fiber strand
Length	36 mm
Colour	white
Specific gravity	2890 kg / m ³
Tensile strenght	1650 MPa
Elastic modulus	72 GPa
Chemical resistance	Very high
Packaging	Cardboard 5kg
Stiffness	≥ 120 mm
ZrO2 content	16,7%
Moisture content	<0.2%

ARTICLE CODE	DESCRIPTION
MAR36-005	Macro AR 36mm 5 kg box
MAR36-360	Macro AR 36mm 360kg - 1 pallet
MAR36-720	Macro AR 36mm 720kg - 2 pallets
MAR36-1080	Macro AR 36mm 1080kg - 3 pallets
MAR36-1440	Macro AR 36mm 1440kg - 4 pallets
MAR36-1800	Macro AR 36mm 1800kg - 5 pallets
MAR36-2160	Macro AR 36mm 2160kg - 6 pallets
MAR36-2520	Macro AR 36mm 2520kg - 7 pallets
MAR36-2880	Macro AR 36mm 2880kg - 8 pallets
MAR36-3240	Macro AR 36mm 3240kg - 9 pallets

BENEFITS FOR THE CONCRETE

- + Reduces the likelihood of crack formation
- + Improves concrete tensile strength
- + Easy to mix
- + Distributes well within the concrete
- + Fast and easy to use
- + Does not float to the surface
- + Invisible on the surface
- + 100% Recyclable

THICKNESS CONCRETE SLAB	DOSAGE /5 KG/ M ³ MAXIMAL ALLOWED POINT LOAD (KG)	COMPRESSIVE STRENGTH		RECOMMENDED DISTANCE BETWEEN JOINTS (M1)**
		ON ISOLATION C25/30*	ON BONDED SUBSTRATE C30/37**	
10 cm		880	1100	2,5
12 cm		1840	2300	3
15 cm		2720	3400	3,5
18 cm		3520	4400	4,5
20 cm		4160	5200	5