

It is advised to carry out a test or to contact our Technical Department before any new application with a filler.

MINERAL FILLERS

AXSON fillers are compatible with polyurethanes and epoxies. They must be stored in a dry location.

REFERENCE	TYPE	PARTICLE OR FIBER SIZE	DENSITY		MAIN APPLICATION	PACKAGING	
			true	apparent		kg	liter
RZ 331	Short glass fibres	length 6 mm	2.5	1.7	Physical linkage between gel coat and laminate or casting	20	11.7
RZ 600	Expanded slate	6 mm	1.1	0.65	Mold backing mixes	35	53.8
RZ 55	Fumed silica	-	2.2	0.05	Thixotroping agent	1	20
RZ 218/1	Microbeads glass	0.05 mm	2.5	1.5	Concrete mix with good abrasion resistance and good compressive strength	25	62.5
RZ 288	Calcium carbonate powder	0.004 mm	2.7	1.1	Bonding layer (20% Epoxy + 80% RZ 288)	50	45
RZ 502	Phenolic microballon	0.06 mm	0.2	0.1	Syntactic foam (25% Epoxy + 75% RZ 502)	13.62	230
RZ 1476	Hollow glass microballon	0.1 mm	0.25	0.15	Syntactic foam	7	60
RZ30002	Aluminium silicate microballon	0.3 mm	0.7	0.4	Light concrete mixes	20	50
RZ 30150	Hydrated alumina	0.07 mm	2.4	1.2	Surface casting (Resin + 150% of RZ 30150)	25 15 5	20.8 12.5 4.2
RZ 30298	Hollow thermoplastic microballoon	0,04 mm	0,04	-	Low density high gloss aspect putty	3	80

ALUMINIUM FILLERS

Aluminium fillers mixed into epoxy or polyurethane resins increase thermal conductivity, reduce shrinkage and allow thicker castings.

REFERENCE	TYPE	PARTICLE SIZE	DENSITY	PACKAGING	
				kg	Liter
RZ 209/6	Aluminium powder	< 63 μ	1	5 or 50	5 or 50
RZ 1019	Aluminium granulate	0.04 - 0.2 mm	1.3	40	38.5
RZ 1021	Aluminium granulate	0.5 - 2.0 mm	1.4	40	37.5

EXAMPLE OF APPLICATIONS

Thermoforming tool

F 16 filled to 150 % with RZ 209/6 : add the filler separately to each product component before mixing ; for a total weight of 500 g, add 150 g RZ 209/6 filler to 100 g of Part A and add 150 g RZ 209/6 filler to 100 g of Part B mix the two parts before casting. Maximum casting thickness : 50 mm

Concrete backing mix for RIM or polyester injection tooling

Mix 120 g to 150 g EPOLAM 2025 and then add in gradually 500 g of RZ 1019 and 500 g of RZ 1021 using a planetary mixer. Tamp down onto the laminate. Maximum thickness : 100 mm

STORAGE CONDITIONS

Fillers must be stored in their original unopened containers in a dry location. In case of partial use of a container, it must be closed tight again to avoid any contamination. Particularly with polyurethanes care must be taken to ensure that adding filler does not cause a foaming reaction (due to moisture content).

GUARANTEE

The information of our technical data sheet are based on our present knowledge and the result of tests conducted under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON refuse any guarantee about the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The guarantee conditions are regulated by our general sale conditions.

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