

STIGOPOR - D

Additive for preparing light concrete based on granules of expanded polystyrene (EPS)

Areas of application	STIGOPOR-D is us expanded polystyrei EPS - concretes an diameter 0 - 4 mm), good thermal insular – one layer façade e – concrete in downfa – swimming floors – industrial warm flo - installation blocks – sanitary cabins, et	ne (EPS - cond re a mixture of water and add tion characteris elements in the all on flat roofs pors	crete). If cement, gr ditives. They stics and low housing con	anules o have wide volume n	f expande e applicati	ed polysty on in struc	rene, sand (grain ctures that require
Product description	Cream-colored liqui	d a mixture of	acrylic disper	rsion and	additives		
Properties	Cream-colored liquid, a mixture of acrylic dispersion and additives. STIGOPOR-D increases the adhesion and cohesion of cement mortar and thus prevents						
	segregation (separa differences in the d g/cm³, aggregate ≈ be produced only wi	ation) of granu lensity of indiv 2,7 g/cm ³ , cer ith the addition	les of expand ridual compoi nent ≈ 3,0 g/o of STIGOPC	led polys nents (ex cm ³) EPS DR- D.	tyrene in panded p - concrete	light conclosition of plastic	rete. Due to large $\approx 0.001 - 0.003$ c consistency can
Mode of use	Pour 2/3 of water into the mixer, add STIGOPOR-D and sand. After mixing, add cement and the rest of the water. Mix the components. Add expanded polystyrene granules to the resulting mixture. Continue mixing until the granules are evenly coated with cement mortar. Level the built-in mixture, without compaction. Approximate recipe for the production of 1 m ³ EPS - concrete:						
	Density EPS -	cement	Sands	EPS		water *	STIGOPOR-D
	concrete		0 – 4 mm	granule	nules		
	kg/m ³	kg	kg	kg			
	600	350	95	14	1100	200	5
	1000	400	430	10,2	800	210	5
	1400	400	830	8,2	650	230	5
	* the amount of water refers to completely dry sand						
	Wash the tool with water immediately after use. After bonding, hardened material can only be						
Cleaning the tools	removed mechanically.						
	Density ≈ 1 g/cm ³						
Technical data	pH value	≈ 9,5					
	Air content in fresh	The mixture of reference concrete with STIGOPOR-D has					
	concrete 5.4% by volume of air, which is 3.5% by volume more than the						
	HRN EN 12350-7 reference concrete mix without STIGOPOR-D.						
	Density of EPS - concrete		600 kg/m ³		1000 kg/m ³		1400 kg/m ³
	Compressive strength after 28		1,4 N/mm ²		5,8 N/mm ²		7,5 N/mm ²
	days				-,		.,
	Flexural strength aft	1,2 N/mm ² 1,6 N/m		nm²	2,4 N/mm ²		
Consumption	It takes 5 I of STIGOPOR-D for preparing 1 m ³ EPS - concrete.						
Packaging	Canister of 5 I, 10 I and 25 I.						
r aonaging	Barrel of 100 l and 150 l.						
Storage	Protect from freezing! Store at temp. from +5°C to +30°C.						
Durability	1 year in the original factory packaging.						
Security measures	No special security			rmation s	ee Safetv	technical	sheet.

We do not answer for any damages which would result from the wrong choice of material or its incorrect application. For all additional information, please contact us at MDK Građevinar d.o.o., STIG office - production facility, Samoborska 328, tel. 01/3456873, fax. 01/3488326, www.stig.hr, e-mail: stig@stig.hr Thank you for putting your trust in us!