



Mapesil AC



**Na bakterije in plesen
odporna, čista silikonska
tesnilna masa, na osnovi
acetatnega zamreženja,
razpoložljiva v 34
barvnih odtenkih in
transparentni barvi**

PODROČJE UPORABE

Mapesil AC je trajno elastična silikonska masa na osnovi acetatnega zamreženja primerna za tesnjenje površin iz stekla, keramičnih ploščic in eloksirane aluminija. S predhodno uporabo premaza za povečano sprejemljivost **Primer FD**, se lahko uporablja tudi na betonu, lesu, kovini, barvnih površinah, plastiki in gumi.

Mapesil AC se uporablja za:

- tesnjenje dilatacijskih stikov s sposobnostjo prilaganja $\pm 25\%$ od začetne dimenzije;
- izvedbo elastičnega tesnjenja med različnimi materiali v gradbeništvu, strojništvu, ladjedelništvu, avtomobilski industriji, itd.

Tipični primeri uporabe

- Tesnjenje reg v stenskih in talnih oblogah iz ploščic in cementnih izdelkov pod pogojem, da niso podvržene visoki abraziji.
- Tesnjenje reg med odtoki, sanitarno opremo in ploščicami v kuhinjah, kopalnicah in tuš kabinah v barvah, ki so skladne z barvami fugirnih mas.
- Tesnjenje dilatacijskih reg, tudi v plavalnih bazenih.
- Spoji steklenih elementov in umetniških steklenih vitražev.
- Tesnjenje zasteklitve vratnih in okenskih okvirjev.
- Tesnjenje zračnih kanalov, vodovodnih cevi, itd.
- Tesnjenje zastekljenih vhodov, vratnih in okenskih okvirjev, itd.
- Tesnjenje rezervoarjev, cevovodov, posod, itd.
- Tesnjenje materialov z različnimi koeficienti toplotnega raztezanja.
- Lepljenje in tesnjenje na splošno.

TEHNIČNE ZNAČILNOSTI

Mapesil AC je enokomponentna barvna ali prozorna, silikonska tesnilna masa brez topil, na osnovi acetatnega zamreženja. Pripravljena je kot tiksotropirana pasta, ki se enostavno nanaša na horizontalne in vertikalne površine in



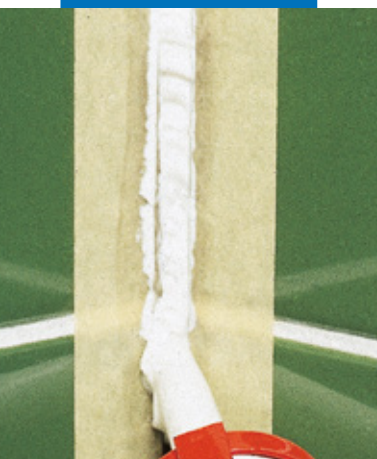
Mapesil AC



Rezanje tulca na zahtevano širino fuge



Nanašanje Primer-ja FD



Nanašanje Mapesil-a AC

zamreži ob stiku z zračno vlago in temperaturo prostora. Zvezan ima naslednje značilnosti:

- izvrstno trajnost. Tesnjenje je odlično tudi po več letih klimatskih ekstremov, industrijske onesnaženosti, nepričakovanih temperaturnih sprememb in prisotnosti vode;
- visoko elastičnost;
- izvrstno sprijemljivost na steklo, keramiko in eloksirani aluminij;
- odpornost proti plesni;
- vodotesnost in paropropustnost;
- odpornost na kemično agresijo;
- prožnost do -40°C in odpornost na temperaturo do $+180^{\circ}\text{C}$.
- enostavno vgradnjo;
- skladno z normo ISO 11600 je deklariran (klasificiran) kot F-25-LM;
- skladno z mnogimi mednarodnimi standardi;
- skladno z zahtevami standarda SIST EN 15651-1, SIST EN 15651-2 in SIST EN 15651-3 z oznako CE.

POMEMBNI NASVETI

- **Mapesil-a AC** ne uporabljajte med keramiko in svetlim naravnim kamnom, ker se lahko na stikih nabira umazanija. V teh primerih uporabite **Mapesil LM**.
- Za tesnjenje kamnitih površin, ki so občutljive na kisline kot so apnenci, uporabite nevtralni silikon **Mapesil LM**.
- **Mapesil-a AC** ni priporočeno uporabljati na plastičnih ali plastificiranih materialih in na površinah iz bitumna, ker se iz njih lahko izločajo snovi (npr. mehčalci,...), ki oslabijo lepilni spoj in prodirajo v tesnilno maso ter spremenijo njeno barvo in odpornost.
- Odpornost na kemikalije je generalno dobra, vendar je v primeru dvoma (zaradi varnosti) pred nanosom **Mapesil-a AC** priporočljivo izvesti preizkus.
- Ne uporabljajte **Mapesil-a AC** v akvarijih.
- Za tesnjenje talnih površin, ki so podvržene težjemu prometu uporabite poliuretansko tesnilno maso (npr. **Mapectex PU 45 FT**) ali epoksi-poliuretansko (npr. **Mapectex PU20**).

NAVODILA ZA UPORABO

Priprava in izračun dimenzije rege

Vse površine morajo biti suhe, dovolj čvrste, brez krušljivih delcev, maščobnih ali oljnih madežev, ostankov barv, voska, rje ali cementne skorjice.

Da lahko tesnilna masa izpolni svojo namembnost, ji mora biti omogočeno prosto širjenje in krčenje.

Pri tesnjenju z **Mapesil-om AC** upoštevajte:

- da se **Mapesil AC** sprime samo s stranicami rege, nikakor pa z dnom;
- rega mora biti pravilno dimenzionirana, da njeno maksimalno širjenje ne presega 25% njene začetne velikosti (preračun je narejen pri temperaturi $+20^{\circ}\text{C}$);
- pri širinah fug do 10 mm mora biti globina nanosa enaka širini; pri širinah fug med 11 in 20 mm mora biti globina 10 mm; pri večjih širinah mora biti globina nanosa široka polovico širine fuge.

Za zagotovitev pravilne globine nanosa in preprečitev stika **Mapesil-a AC** s podlago, rego predhodno zapolnite z **Mapectex** okroglo polnilno vrstico odgovarjajočega premera z zaprto celično strukturo.

Nanos Primer-ja FD

Na podlagah, kjer je potreben nanos temeljno-sprijemnega premaza **Primer FD** nanesite na podlago s čopičem, počakate nekaj minut da topila izhlapijo in nato nanesite **Mapesil AC**.

Nanašanje Mapesil-a AC

Mapesil AC je pakiran v 310 ml kartuše.

Odrežite vrh kartuše nad navojem in privijte nastavek. Nastavek na ustrezni širini odrežite pod kotom 45° , kartušo vstavite v pištolo za tesnjenje in zapolnite rego. Površino **Mapesil-a AC** zagladite z ustreznim orodjem, katerega lahko navlažite z milnico, ter finalno obdelate preden na površini nastane opna.

Zamreženje

Mapesil AC zamrežuje vlago v stiku z zračno vlago in temperaturo v prostoru.

Hitrost zamreženja **Mapesil-a AC** je predvsem odvisna od deleža zračne vlage, manj pa od temperature.

Diagram prikazuje hitrost zamreženja pri $+23^{\circ}\text{C}$ in 50% relativni zračni vlagi.

Čiščenje

Delno zamrežen (strjen) **Mapesil AC** lahko odstranite z orodja ali površin z uporabo običajnih topil (npr. etil-acetat, bencin, tuluen). Popolno zamreženo silikonsko gumo lahko odstranite le mehansko.

PORABA

Mapesil AC

Poraba **Mapesil-a AC** je odvisna od dimenzije rege. Poraba za običajne in trikotne rege je prikazana v spodnji tabeli.

Primer FD

Poraba **Primer-ja FD** je 100 g/m^2 .

PAKIRANJE

Mapesil AC dobavljamo v 310 ml kartušah.

Primer FD dobavljamo v plastenkah po 0,2 in 0,9 kg.

BARVE

Mapesil AC je na voljo v 34 barvah po barvni karti "MAPEI COLOURED GROUTS" in transparentna.

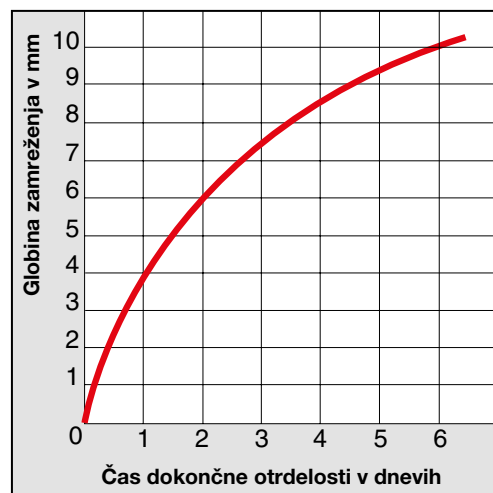
SKLADIŠČENJE

Mapesil AC skladiščite največ 24 mesecev v originalni zaprti kartuši v suhem in hladnem prostoru.

Primer FD skladiščite 6 mesecev v originalno zaprti plastenki v suhem in hladnem prostoru (temperature ne smejo preseči $+25^{\circ}\text{C}$).

VARNOST PRI DELU

Mapesil AC ni deklariran kot nevaren skladno z Evropsko direktivo o razvrstitvi izdelkov. Vseeno je priporočljiva uporaba osebnih zaščitnih sredstev kot so zaščitne rokavice in očala, ki se običajno uporabljajo pri rokovanju s kemičnimi izdelki.



MAPESIL AC - TEHNIČNI PODATKI (prepoznavne lastnosti)

V skladu s standardi:

- EN 15651-1
- EN 15651-2
- EN 15651-3

PODATKI O IZDELKU

Sestave:	tiksotropirana pasta
Barva:	prozorna + 34 barv
Specifična teža (g/cm ³):	1,03 (transparenstna)
Vsebnost trdne snovi (%):	100
EMICODE:	EC1 Plus - zelo nizke emisije

PODATKI O UPORABI (pri +23°C, 50% rel. zračni vlagi)

Temperatura za delo:	od +5°C do +50°C
Hitrost nanašanja skozi 3,5 mm široko odprtino pri pritisku 0,5 N/mm ² (g/min):	120
Čas površinske osušitve:	10 minut
Krčenje med vulkanizacijo (%):	3,5
Hitrost vulkanizacije (mm):	4 po 1 dnevu, 10 po 7 dneh

KONČNE LASTNOSTI

SIST EN 15651-1: tesnilna masa za fasadne stike za notranje in zunanje, tudi za nizke temperature:	F-EXT-INT-CC
Razred:	25 LM
SIST EN 15651-2: tesnilna masa za zasteklitve, tudi za nizke temperature:	G-CC
Razred:	G 25 LM
SIST EN 15651-3: tesnilna masa za sanitarije:	S
Razred:	XS 1
Izvlačna trdnost v skladu z ISO 37 (N/mm ²):	1,6
Podaljšanje od pretrga v skladu z ISO 37 (%):	800
Strižna sila (ISO 34-1, razred C) (N/mm):	4
Shore A trdnost (ISO 868):	20
Specifična teža pri +25°C (ISO 1183-1 A) (g/cm ³):	1,02
Modul raztezanja merjeno po ISO 8339 metoda A (N/mm ²): - pri 25% raztezu: - pri 50% raztezu: - pri 100% raztezu:	0,20 0,27 0,35
Največja razteznost/krčenje od začetne dimenzije (%):	25
Odpornost na vodo:	odlična
Odpornost proti staranju:	odlična
Odpornost proti atmosferskim vplivom:	odlična
Odpornost proti kemijskim vplivom, kislinam in lugom:	dobra
Odpornost na čistila:	odlična
Odpornost na topila:	omejena
Odpornost temperature:	od -40°C do +180°C

PRIMER FD - TEHNIČNI PODATKI (prepoznavne lastnosti)

PODATKI O IZDELKU

Sestavine:	transparentna tekočina
Barva:	rumenkasta
Specifična teža (g/cm ³):	0,92
Viskoznost (MPa-s):	1-2 (rotor 1, 100 obratov)



Obdelava vogalne rege z milnico in manjšim čopičem



Zapolnitev dilatacijske rege v talni oblogi iz keramičnih ploščic z Mapesil-om AC

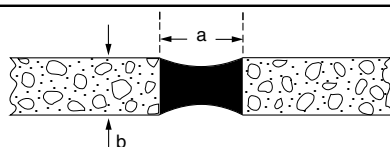


Tesnjenje (sanitarne opreme)



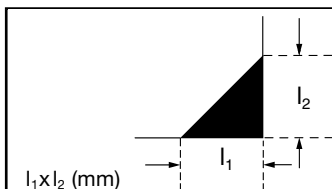
TABELA PORABE (dolžinski metri na kartušo)

OBIČAJNE REGE



Dimenzija rege v mm (a x b)	Zapolnitev v m ² z eno kartušo
5x5	12
5x10	6
10x10	3
15x10	2
20x10	1,5
25x10	1,25
30x15	0,7
40x20	0,4

TRIKOTNE REGE



Dimenzija rege v mm (l1, l2)	Zapolnitev v m ² z eno kartušo
5	25
10	6
15	3
20	1,5

Nadaljne in celovite informacije o načinu
pravilne in varne priprave ter uporabe poiščite v
zadnji verziji Varnostnega lista izdelka.

IZDELEK ZA POKLICNE IZVAJALCE.

Primer FD je lahko vnetljiv, zato se ga ne sme
skladiščiti in nanašati v bližini iskrič, tlečih in
gorečih elementov. Med delom je prepovedano
kajenje!

Primer FD je zdravju škodljiv, izpostavljenost
hlapom v količinah večjih od zakonsko predpisanih
lahko povzroči vrtoglavico, v določenih primerih
celo omedlevico ali resna obolenja. Izdelka ne
uporabljajte v prisotnosti nosečnic.

Stik s kožo, lahko povzroča alergijske reakcije.
V primeru, da pride v kontakt z očmi, jih je
potrebno takoj izprati z veliko količine vode ter
nemudoma obiskati zdravnika.
Potrebna je uporaba osebnih zaščitnih sredstev
kot so zaščitne rokavice in očala, ki se običajno
uporabljajo pri rokovanju s kemičnimi izdelki.
Prav tako je potrebno zagotoviti ustrezno
zračenje delovnega okolja.
Varnostni list je na voljo na zahtevo za poklicne
izvajalce.

IZDELEK ZA POKLICNE IZVAJALCE.

OPOZORILO

Kljub temu, da zgoraj navedeni podatki in
navodila ustrezajo našim najboljšim izkušnjam,
so samo indikativnega pomena in morajo biti
potrjeni v praksi. Zato pred uporabo izdelka
preverite, če je primeren za predvideno uporabo
in prevzemite vsako odgovornost,
ki lahko izhaja iz uporabe.

Vedno upoštevajte navodila iz zadnje verzije
objavljenega tehničnega lista, ki je na voljo
na spletni strani www.mapei.com

PRAVNO OBVESTILO

Vsebinsko tega Tehničnega lista je dovoljeno
kopirati v drug projektni dokument, vendar
tak projektni dokument v nobenem primeru
ne dopolnjuje ali nadomešča trenutno
veljavnega Tehničnega lista v času izvedbe
del z izdelkom MAPEI.

Veljavni tehnični list lahko prenesete
s spletne strani www.mapei.com.
**KAKRŠNEKOLI SPREMEMBE TEKSTA
ALI ZAHTEV, KI SO NAVEDENE V
TEM TEHNIČNEM LISTU IZNIČIJO
ODGOVORNOST PODJETJA MAPEI.**



Ta znak se uporablja za označevanje izdelkov
MAPEI, kateri dosegajo izredno nizko emisijo
hlapnih organskih spojin (HOS), certificirano
pri GEV (Gemeinschaft Emissionskontrollierte
Verlegewerstoffe, Klebstoffe und Bauprodukte
e.V.), mednarodni organizaciji za kontrolo
stopnje emisij izdelkov za tlake.



Naša zaveza okolju
Izdelki MAPEI pomagajo projektantom in
izvajalcem pri izvedbi inovativnih projektov,
ki so LEED (Leadership in Energy and
Environmental Design) certificirani
skladno z U.S. Green Building
Council.

**Reference o izdelku so na
razpolago na podlagi vaših
zahtev in na spletni strani
www.mapei.si - www.mapei.com**

	100	BELA
	●	
	103	KREMINO BELA
	●	
	110	MANHATTAN 2000
	●	
	111	SREBRNO SIVA
	●	
	112	SIVA
	●	
	113	CEMENTNO SIVA
	●	
	115	ZELENO SIVA
	●	
	116	RAJAVO SIVA
	●	
	119	LONDON SIVA
	●	
	114	ANTRACITNO SIVA
	●	
120	ČRNA	
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137	KARIBI PEŠČENA	
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130	JASMIN	
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131	VANILJA	
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138	MANDELJ	
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132	BEŽ 2000	
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133	PEŠČENO RAJAVO	
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134	SIVO RAJAVO	
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139	PUDRASTO ROŽA	
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135	ZLATO RAJAVO	
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152	NATUR RAJAVO	
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136	ANTRACITNO RAJAVO	
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141	KAMEL	
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142	RAJAVO	
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143	OPREČNO RAJAVO	
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144	ČOKOLADNO RAJAVO	
●		
145	ZELENIŠKO RAJAVO	
●		
149	VULKANSKO SIVA	
●		
150	RUMENJA	
●		
162	VJOLICA	
●		
170	SINJE MODRA	
●		
171	TURKIZNO MODRA	
●		
172	TEMNO MODRA	
●		
174	PEPELNO SIVA	
●		
999	TRANSPARENTNA	
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Mapesil AC	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
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Opozorilo: zaradi postopkov tiska, so prikazane barve le orientacijske in odstopajo od dejanskih barv!



GRADIMO PRIHODNOST

Tesnjenje steklenih
U elementov

Tesnjenje aluminijastih
zaključkov z
Mapesil-om AC