

125 b

J21 MASTIC ASPHALT ROOFING FINISHES
TO BE READ IN CONJUNCTION WITH PRELIMINARIES/GENERAL CONDITIONS
GUARAFLEX POLYMER MODIFIED MASTIC ASPHALT
BBA AGREEMENT CERTIFICATE NO: 00/3701
NATIONAL BUILDING SPECIFICATION (NBS) 125 GENERAL

Types of coating: Guaraflex Asphalt
(Inverted Roofing)

Polymer modified asphalt inverted roof system for new build or refurbishment (concrete deck, flat with no falls).

125 b

- 1) **Substrate:**
Insitu concrete with smooth float finish/precast concrete planks grouted, flush finish/laid flat.

- 2) **Outlets:**
 - 2.1 For new build refer to clause **310a.**
 - 2.2 For refurbishment - reuse existing outlets.

- 3) **Priming:**
For new build or refurbishment refer to clause **320a.**

- 4) **Preparation:**
 - 4.1 For removal of existing coverings, refer to clause **610a** and **620a.**
 - 4.2 For overlay of existing coverings, refer to clause **610a** and **630a.**
 - 4.3 For new build, refer to clause **610a** and **610b.**

- 5) **Separating Layer:**
As clause **695a.**

- 6) **Horizontal Mastic Asphalt Waterproofing:**
To falls/slopes not exceeding 5° from horizontal covering to deck. Cappings to kerbs, channels, gutters and the like.
 - **Manufacturer:** Manufacturing Division, Guaranteed Asphalt Limited,
Earlstree Industrial Estate, Princewood Road, Corby,
Northants NN17 4AP.
Tel: 020-7277-8773 Technical Services: 020-7732-7781.
Email: gacorby@talk21.com
Web: www.guaranteedasphalt.com

125 b

Note: For decks sloping over 5°, refer to Guaranteed Asphalt for recommendations.
Tel: 01536-262381 Technical Services: 020-7732-7781
Email: gacorby@talk21.com
Web: www.guaranteedasphalt.com

- Product reference: Guaraflex R polymer modified asphalt - as clause **740c** over separating layer.

- 7) **Upstands:**
Coverings to upstands, kerbs and the like as clause **750a** and **750b**.
- 8) **Insulated upstands:**
As clause ~~750a~~ ~~750b~~ ~~750c~~ ~~750d~~ ~~750e~~ ~~750f~~ ~~750g~~ ~~750h~~ ~~750i~~ ~~750j~~ ~~750k~~ ~~750l~~ ~~750m~~ ~~750n~~ ~~750o~~ ~~750p~~ ~~750q~~ ~~750r~~ ~~750s~~ ~~750t~~ ~~750u~~ ~~750v~~ ~~750w~~ ~~750x~~ ~~750y~~ ~~750z~~ ~~750aa~~ ~~750ab~~ ~~750ac~~ ~~750ad~~ ~~750ae~~ ~~750af~~ ~~750ag~~ ~~750ah~~ ~~750ai~~ ~~750aj~~ ~~750ak~~ ~~750al~~ ~~750am~~ ~~750an~~ ~~750ao~~ ~~750ap~~ ~~750aq~~ ~~750ar~~ ~~750as~~ ~~750at~~ ~~750au~~ ~~750av~~ ~~750aw~~ ~~750ax~~ ~~750ay~~ ~~750az~~ ~~750ba~~ ~~750bb~~ ~~750bc~~ ~~750bd~~ ~~750be~~ ~~750bf~~ ~~750bg~~ ~~750bh~~ ~~750bi~~ ~~750bj~~ ~~750bk~~ ~~750bl~~ ~~750bm~~ ~~750bn~~ ~~750bo~~ ~~750bp~~ ~~750bq~~ ~~750br~~ ~~750bs~~ ~~750bt~~ ~~750bu~~ ~~750bv~~ ~~750bw~~ ~~750bx~~ ~~750by~~ ~~750bz~~ ~~750ca~~ ~~750cb~~ ~~750cc~~ ~~750cd~~ ~~750ce~~ ~~750cf~~ ~~750cg~~ ~~750ch~~ ~~750ci~~ ~~750cj~~ ~~750ck~~ ~~750cl~~ ~~750cm~~ ~~750cn~~ ~~750co~~ ~~750cp~~ ~~750cq~~ ~~750cr~~ ~~750cs~~ ~~750ct~~ ~~750cu~~ ~~750cv~~ ~~750cw~~ ~~750cx~~ ~~750cy~~ ~~750cz~~ ~~750da~~ ~~750db~~ ~~750dc~~ ~~750dd~~ ~~750de~~ ~~750df~~ ~~750dg~~ ~~750dh~~ ~~750di~~ ~~750dj~~ ~~750dk~~ ~~750dl~~ ~~750dm~~ ~~750dn~~ ~~750do~~ ~~750dp~~ ~~750dq~~ ~~750dr~~ ~~750ds~~ ~~750dt~~ ~~750du~~ ~~750dv~~ ~~750dw~~ ~~750dx~~ ~~750dy~~ ~~750dz~~ ~~750ea~~ ~~750eb~~ ~~750ec~~ ~~750ed~~ ~~750ee~~ ~~750ef~~ ~~750eg~~ ~~750eh~~ ~~750ei~~ ~~750ej~~ ~~750ek~~ ~~750el~~ ~~750em~~ ~~750en~~ ~~750eo~~ ~~750ep~~ ~~750eq~~ ~~750er~~ ~~750es~~ ~~750et~~ ~~750eu~~ ~~750ev~~ ~~750ew~~ ~~750ex~~ ~~750ey~~ ~~750ez~~ ~~750fa~~ ~~750fb~~ ~~750fc~~ ~~750fd~~ ~~750fe~~ ~~750ff~~ ~~750fg~~ ~~750fh~~ ~~750fi~~ ~~750fj~~ ~~750fk~~ ~~750fl~~ ~~750fm~~ ~~750fn~~ ~~750fo~~ ~~750fp~~ ~~750fq~~ ~~750fr~~ ~~750fs~~ ~~750ft~~ ~~750fu~~ ~~750fv~~ ~~750fw~~ ~~750fx~~ ~~750fy~~ ~~750fz~~ ~~750ga~~ ~~750gb~~ ~~750gc~~ ~~750gd~~ ~~750ge~~ ~~750gf~~ ~~750gg~~ ~~750gh~~ ~~750gi~~ ~~750gj~~ ~~750gk~~ ~~750gl~~ ~~750gm~~ ~~750gn~~ ~~750go~~ ~~750gp~~ ~~750gq~~ ~~750gr~~ ~~750gs~~ ~~750gt~~ ~~750gu~~ ~~750gv~~ ~~750gw~~ ~~750gx~~ ~~750gy~~ ~~750gz~~ ~~750ha~~ ~~750hb~~ ~~750hc~~ ~~750hd~~ ~~750he~~ ~~750hf~~ ~~750hg~~ ~~750hh~~ ~~750hi~~ ~~750hj~~ ~~750hk~~ ~~750hl~~ ~~750hm~~ ~~750hn~~ ~~750ho~~ ~~750hp~~ ~~750hq~~ ~~750hr~~ ~~750hs~~ ~~750ht~~ ~~750hu~~ ~~750hv~~ ~~750hw~~ ~~750hx~~ ~~750hy~~ ~~750hz~~ ~~750ia~~ ~~750ib~~ ~~750ic~~ ~~750id~~ ~~750ie~~ ~~750if~~ ~~750ig~~ ~~750ih~~ ~~750ii~~ ~~750ij~~ ~~750ik~~ ~~750il~~ ~~750im~~ ~~750in~~ ~~750io~~ ~~750ip~~ ~~750iq~~ ~~750ir~~ ~~750is~~ ~~750it~~ ~~750iu~~ ~~750iv~~ ~~750iw~~ ~~750ix~~ ~~750iy~~ ~~750iz~~ ~~750ja~~ ~~750jb~~ ~~750jc~~ ~~750jd~~ ~~750je~~ ~~750jf~~ ~~750jg~~ ~~750jh~~ ~~750ji~~ ~~750jj~~ ~~750jk~~ ~~750jl~~ ~~750jm~~ ~~750jn~~ ~~750jo~~ ~~750jp~~ ~~750jq~~ ~~750jr~~ ~~750js~~ ~~750jt~~ ~~750ju~~ ~~750jv~~ ~~750jw~~ ~~750jx~~ ~~750jy~~ ~~750jz~~ ~~750ka~~ ~~750kb~~ ~~750kc~~ ~~750kd~~ ~~750ke~~ ~~750kf~~ ~~750kg~~ ~~750kh~~ ~~750ki~~ ~~750kj~~ ~~750kk~~ ~~750kl~~ ~~750km~~ ~~750kn~~ ~~750ko~~ ~~750kp~~ ~~750kq~~ ~~750kr~~ ~~750ks~~ ~~750kt~~ ~~750ku~~ ~~750kv~~ ~~750kw~~ ~~750kx~~ ~~750ky~~ ~~750kz~~ ~~750la~~ ~~750lb~~ ~~750lc~~ ~~750ld~~ ~~750le~~ ~~750lf~~ ~~750lg~~ ~~750lh~~ ~~750li~~ ~~750lj~~ ~~750lk~~ ~~750ll~~ ~~750lm~~ ~~750ln~~ ~~750lo~~ ~~750lp~~ ~~750lq~~ ~~750lr~~ ~~750ls~~ ~~750lt~~ ~~750lu~~ ~~750lv~~ ~~750lw~~ ~~750lx~~ ~~750ly~~ ~~750lz~~ ~~750ma~~ ~~750mb~~ ~~750mc~~ ~~750md~~ ~~750me~~ ~~750mf~~ ~~750mg~~ ~~750mh~~ ~~750mi~~ ~~750mj~~ ~~750mk~~ ~~750ml~~ ~~750mm~~ ~~750mn~~ ~~750mo~~ ~~750mp~~ ~~750mq~~ ~~750mr~~ ~~750ms~~ ~~750mt~~ ~~750mu~~ ~~750mv~~ ~~750mw~~ ~~750mx~~ ~~750my~~ ~~750mz~~ ~~750na~~ ~~750nb~~ ~~750nc~~ ~~750nd~~ ~~750ne~~ ~~750nf~~ ~~750ng~~ ~~750nh~~ ~~750ni~~ ~~750nj~~ ~~750nk~~ ~~750nl~~ ~~750nm~~ ~~750nn~~ ~~750no~~ ~~750np~~ ~~750nq~~ ~~750nr~~ ~~750ns~~ ~~750nt~~ ~~750nu~~ ~~750nv~~ ~~750nw~~ ~~750nx~~ ~~750ny~~ ~~750nz~~ ~~750oa~~ ~~750ob~~ ~~750oc~~ ~~750od~~ ~~750oe~~ ~~750of~~ ~~750og~~ ~~750oh~~ ~~750oi~~ ~~750oj~~ ~~750ok~~ ~~750ol~~ ~~750om~~ ~~750on~~ ~~750oo~~ ~~750op~~ ~~750oq~~ ~~750or~~ ~~750os~~ ~~750ot~~ ~~750ou~~ ~~750ov~~ ~~750ow~~ ~~750ox~~ ~~750oy~~ ~~750oz~~ ~~750pa~~ ~~750pb~~ ~~750pc~~ ~~750pd~~ ~~750pe~~ ~~750pf~~ ~~750pg~~ ~~750ph~~ ~~750pi~~ ~~750pj~~ ~~750pk~~ ~~750pl~~ ~~750pm~~ ~~750pn~~ ~~750po~~ ~~750pp~~ ~~750pq~~ ~~750pr~~ ~~750ps~~ ~~750pt~~ ~~750pu~~ ~~750pv~~ ~~750pw~~ ~~750px~~ ~~750py~~ ~~750pz~~ ~~750qa~~ ~~750qb~~ ~~750qc~~ ~~750qd~~ ~~750qe~~ ~~750qf~~ ~~750qg~~ ~~750qh~~ ~~750qi~~ ~~750qj~~ ~~750qk~~ ~~750ql~~ ~~750qm~~ ~~750qn~~ ~~750qo~~ ~~750qp~~ ~~750qq~~ ~~750qr~~ ~~750qs~~ ~~750qt~~ ~~750qu~~ ~~750qv~~ ~~750qw~~ ~~750qx~~ ~~750qy~~ ~~750qz~~ ~~750ra~~ ~~750rb~~ ~~750rc~~ ~~750rd~~ ~~750re~~ ~~750rf~~ ~~750rg~~ ~~750rh~~ ~~750ri~~ ~~750rj~~ ~~750rk~~ ~~750rl~~ ~~750rm~~ ~~750rn~~ ~~750ro~~ ~~750rp~~ ~~750rq~~ ~~750rr~~ ~~750rs~~ ~~750rt~~ ~~750ru~~ ~~750rv~~ ~~750rw~~ ~~750rx~~ ~~750ry~~ ~~750rz~~ ~~750sa~~ ~~750sb~~ ~~750sc~~ ~~750sd~~ ~~750se~~ ~~750sf~~ ~~750sg~~ ~~750sh~~ ~~750si~~ ~~750sj~~ ~~750sk~~ ~~750sl~~ ~~750sm~~ ~~750sn~~ ~~750so~~ ~~750sp~~ ~~750sq~~ ~~750sr~~ ~~750ss~~ ~~750st~~ ~~750su~~ ~~750sv~~ ~~750sw~~ ~~750sx~~ ~~750sy~~ ~~750sz~~ ~~750ta~~ ~~750tb~~ ~~750tc~~ ~~750td~~ ~~750te~~ ~~750tf~~ ~~750tg~~ ~~750th~~ ~~750ti~~ ~~750tj~~ ~~750tk~~ ~~750tl~~ ~~750tm~~ ~~750tn~~ ~~750to~~ ~~750tp~~ ~~750tq~~ ~~750tr~~ ~~750ts~~ ~~750tt~~ ~~750tu~~ ~~750tv~~ ~~750tw~~ ~~750tx~~ ~~750ty~~ ~~750tz~~ ~~750ua~~ ~~750ub~~ ~~750uc~~ ~~750ud~~ ~~750ue~~ ~~750uf~~ ~~750ug~~ ~~750uh~~ ~~750ui~~ ~~750uj~~ ~~750uk~~ ~~750ul~~ ~~750um~~ ~~750un~~ ~~750uo~~ ~~750up~~ ~~750uq~~ ~~750ur~~ ~~750us~~ ~~750ut~~ ~~750uu~~ ~~750uv~~ ~~750uw~~ ~~750ux~~ ~~750uy~~ ~~750uz~~ ~~750va~~ ~~750vb~~ ~~750vc~~ ~~750vd~~ ~~750ve~~ ~~750vf~~ ~~750vg~~ ~~750vh~~ ~~750vi~~ ~~750vj~~ ~~750vk~~ ~~750vl~~ ~~750vm~~ ~~750vn~~ ~~750vo~~ ~~750vp~~ ~~750vq~~ ~~750vr~~ ~~750vs~~ ~~750vt~~ ~~750vu~~ ~~750vv~~ ~~750vw~~ ~~750vx~~ ~~750vy~~ ~~750vz~~ ~~750wa~~ ~~750wb~~ ~~750wc~~ ~~750wd~~ ~~750we~~ ~~750wf~~ ~~750wg~~ ~~750wh~~ ~~750wi~~ ~~750wj~~ ~~750wk~~ ~~750wl~~ ~~750wm~~ ~~750wn~~ ~~750wo~~ ~~750wp~~ ~~750wq~~ ~~750wr~~ ~~750ws~~ ~~750wt~~ ~~750wu~~ ~~750wv~~ ~~750ww~~ ~~750wx~~ ~~750wy~~ ~~750wz~~ ~~750xa~~ ~~750xb~~ ~~750xc~~ ~~750xd~~ ~~750xe~~ ~~750xf~~ ~~750xg~~ ~~750xh~~ ~~750xi~~ ~~750xj~~ ~~750xk~~ ~~750xl~~ ~~750xm~~ ~~750xn~~ ~~750xo~~ ~~750xp~~ ~~750xq~~ ~~750xr~~ ~~750xs~~ ~~750xt~~ ~~750xu~~ ~~750xv~~ ~~750xw~~ ~~750xx~~ ~~750xy~~ ~~750xz~~ ~~750ya~~ ~~750yb~~ ~~750yc~~ ~~750yd~~ ~~750ye~~ ~~750yf~~ ~~750yg~~ ~~750yh~~ ~~750yi~~ ~~750yj~~ ~~750yk~~ ~~750yl~~ ~~750ym~~ ~~750yn~~ ~~750yo~~ ~~750yp~~ ~~750yq~~ ~~750yr~~ ~~750ys~~ ~~750yt~~ ~~750yu~~ ~~750yv~~ ~~750yw~~ ~~750yx~~ ~~750yy~~ ~~750yz~~ ~~750za~~ ~~750zb~~ ~~750zc~~ ~~750zd~~ ~~750ze~~ ~~750zf~~ ~~750zg~~ ~~750zh~~ ~~750zi~~ ~~750zj~~ ~~750zk~~ ~~750zl~~ ~~750zm~~ ~~750zn~~ ~~750zo~~ ~~750zp~~ ~~750zq~~ ~~750zr~~ ~~750zs~~ ~~750zt~~ ~~750zu~~ ~~750zv~~ ~~750zw~~ ~~750zx~~ ~~750zy~~ ~~750zz~~ ~~750aa~~ ~~750ab~~ ~~750ac~~ ~~750ad~~ ~~750ae~~ ~~750af~~ ~~750ag~~ ~~750ah~~ ~~750ai~~ ~~750aj~~ ~~750ak~~ ~~750al~~ ~~750am~~ ~~750an~~ ~~750ao~~ ~~750ap~~ ~~750aq~~ ~~750ar~~ ~~750as~~ ~~750at~~ ~~750au~~ ~~750av~~ ~~750aw~~ ~~750ax~~ ~~750ay~~ ~~750az~~ ~~750ba~~ ~~750bb~~ ~~750bc~~ ~~750bd~~ ~~750be~~ ~~750bf~~ ~~750bg~~ ~~750bh~~ ~~750bi~~ ~~750bj~~ ~~750bk~~ ~~750bl~~ ~~750bm~~ ~~750bn~~ ~~750bo~~ ~~750bp~~ ~~750bq~~ ~~750br~~ ~~750bs~~ ~~750bt~~ ~~750bu~~ ~~750bv~~ ~~750bw~~ ~~750bx~~ ~~750by~~ ~~750bz~~ ~~750ca~~ ~~750cb~~ ~~750cc~~ ~~750cd~~ ~~750ce~~ ~~750cf~~ ~~750cg~~ ~~750ch~~ ~~750ci~~ ~~750cj~~ ~~750ck~~ ~~750cl~~ ~~750cm~~ ~~750cn~~ ~~750co~~ ~~750cp~~ ~~750cq~~ ~~750cr~~ ~~750cs~~ ~~750ct~~ ~~750cu~~ ~~750cv~~ ~~750cw~~ ~~750cx~~ ~~750cy~~ ~~750cz~~ ~~750da~~ ~~750db~~ ~~750dc~~ ~~750dd~~ ~~750de~~ ~~750df~~ ~~750dg~~ ~~750dh~~ ~~750di~~ ~~750dj~~ ~~750dk~~ ~~750dl~~ ~~750dm~~ ~~750dn~~ ~~750do~~ ~~750dp~~ ~~750dq~~ ~~750dr~~ ~~750ds~~ ~~750dt~~ ~~750du~~ ~~750dv~~ ~~750dw~~ ~~750dx~~ ~~750dy~~ ~~750dz~~ ~~750ea~~ ~~750eb~~ ~~750ec~~ ~~750ed~~ ~~750ee~~ ~~750ef~~ ~~750eg~~ ~~750eh~~ ~~750ei~~ ~~750ej~~ ~~750ek~~ ~~750el~~ ~~750em~~ ~~750en~~ ~~750eo~~ ~~750ep~~ ~~750eq~~ ~~750er~~ ~~750es~~ ~~750et~~ ~~750eu~~ ~~750ev~~ ~~750ew~~ ~~750ex~~ ~~750ey~~ ~~750ez~~ ~~750fa~~ ~~750fb~~ ~~750fc~~ ~~750fd~~ ~~750fe~~ ~~750ff~~ ~~750fg~~ ~~750fh~~ ~~750fi~~ ~~750fj~~ ~~750fk~~ ~~750fl~~ ~~750fm~~ ~~750fn~~ ~~750fo~~ ~~750fp~~ ~~750fq~~ ~~750fr~~ ~~750fs~~ ~~750ft~~ ~~750fu~~ ~~750fv~~ ~~750fw~~ ~~750fx~~ ~~750fy~~ ~~750fz~~ ~~750ga~~ ~~750gb~~ ~~750gc~~ ~~750gd~~ ~~750ge~~ ~~750gf~~ ~~750gg~~ ~~750gh~~ ~~750gi~~ ~~750gj~~ ~~750gk~~ ~~750gl~~ ~~750gm~~ ~~750gn~~ ~~750go~~ ~~750gp~~ ~~750gq~~ ~~750gr~~ ~~750gs~~ ~~750gt~~ ~~750gu~~ ~~750gv~~ ~~750gw~~ ~~750gx~~ ~~750gy~~ ~~750gz~~ ~~750ha~~ ~~750hb~~ ~~750hc~~ ~~750hd~~ ~~750he~~ ~~750hf~~ ~~750hg~~ ~~750hi~~ ~~750hj~~ ~~750hk~~ ~~750hl~~ ~~750hm~~ ~~750hn~~ ~~750ho~~ ~~750hp~~ ~~750hq~~ ~~750hr~~ ~~750hs~~ ~~750ht~~ ~~750hu~~ ~~750hv~~ ~~750hw~~ ~~750hx~~ ~~750hy~~ ~~750hz~~ ~~750ia~~ ~~750ib~~ ~~750ic~~ ~~750id~~ ~~750ie~~ ~~750if~~ ~~750ig~~ ~~750ih~~ ~~750ii~~ ~~750ij~~ ~~750ik~~ ~~750il~~ ~~750im~~ ~~750in~~ ~~750io~~ ~~750ip~~ ~~750iq~~ ~~750ir~~ ~~750is~~ ~~750it~~ ~~750iu~~ ~~750iv~~ ~~750iw~~ ~~750ix~~ ~~750iy~~ ~~750iz~~ ~~750ja~~ ~~750jb~~ ~~750jc~~ ~~750jd~~ ~~750je~~ ~~750jf~~ ~~750jg~~ ~~750jh~~ ~~750ji~~ ~~750jj~~ ~~750jk~~ ~~750jl~~ ~~750jm~~ ~~750jn~~ ~~750jo~~ ~~750jp~~ ~~750jq~~ ~~750jr~~ ~~750js~~ ~~750jt~~ ~~750ju~~ ~~750jv~~ ~~750jw~~ ~~750jx~~ ~~750jy~~ ~~750jz~~ ~~750ka~~ ~~750kb~~ ~~750kc~~ ~~750kd~~ ~~750ke~~ ~~750kf~~ ~~750kg~~ ~~750kh~~ ~~750ki~~ ~~750kj~~ ~~750kk~~ ~~750kl~~ ~~750km~~ ~~750kn~~ ~~750ko~~ ~~750kp~~ ~~750kq~~ ~~750kr~~ ~~750ks~~ ~~750kt~~ ~~750ku~~ ~~750kv~~ ~~750kw~~ ~~750kx~~ ~~750ky~~ ~~750kz~~ ~~750la~~ ~~750lb~~ ~~750lc~~ ~~750ld~~ ~~750le~~ ~~750lf~~ ~~750lg~~ ~~750lh~~ ~~750li~~ ~~750lj~~ ~~750lk~~ ~~750ll~~ ~~750lm~~ ~~750ln~~ ~~750lo~~ ~~750lp~~ ~~750lq~~ ~~750lr~~ ~~750ls~~ ~~750lt~~ ~~750lu~~ ~~750lv~~ ~~750lw~~ ~~750lx~~ ~~750ly~~ ~~750lz~~ ~~750ma~~ ~~750mb~~ ~~750mc~~ ~~750md~~ ~~750me~~ ~~750mf~~ ~~750mg~~ ~~750mh~~ ~~750mi~~ ~~750mj~~ ~~750mk~~ ~~750ml~~ ~~750mm~~ ~~750mn~~ ~~750mo~~ ~~750mp~~ ~~750mq~~ ~~750mr~~ ~~750ms~~ ~~750mt~~ ~~750mu~~ ~~750mv~~ ~~750mw~~ ~~750mx~~ ~~750my~~ ~~750mz~~ ~~750na~~ ~~750nb~~ ~~750nc~~ ~~750nd~~ ~~750ne~~ ~~750nf~~ ~~750ng~~ ~~750nh~~ ~~750ni~~ ~~750nj~~ ~~750nk~~ ~~750nl~~ ~~750nm~~ ~~750nn~~ ~~750no~~ ~~750np~~ ~~750nq~~ ~~750nr~~ ~~750ns~~ ~~750nt~~ ~~750nu~~ ~~750nv~~ ~~750nw~~ ~~750nx~~ ~~750ny~~ ~~750nz~~ ~~750oa~~ ~~750ob~~ ~~750oc~~ ~~750od~~ ~~750oe~~ ~~750of~~ ~~750og~~ ~~750oh~~ ~~750oi~~ ~~750oj~~ ~~750ok~~ ~~750ol~~ ~~750om~~ ~~750on~~ ~~750oo~~ ~~750op~~ ~~750oq~~ ~~750or~~ ~~750os~~ ~~750ot~~ ~~750ou~~ ~~750ov~~ ~~750ow~~ ~~750ox~~ ~~750oy~~ ~~750oz~~ ~~750pa~~ ~~750pb~~ ~~750pc~~ ~~750pd~~ ~~750pe~~ ~~750pf~~ ~~750pg~~ ~~750ph~~ ~~750pi~~ ~~750pj~~ ~~750pk~~ ~~750pl~~ ~~750pm~~ ~~750pn~~ ~~750po~~ ~~750pp~~ ~~750pq~~ ~~750pr~~ ~~750ps~~ ~~750pt~~ ~~750pu~~ ~~750pv~~ ~~750pw~~ ~~750px~~ ~~750py~~ ~~750pz~~ ~~750qa~~ ~~750qb~~ ~~750qc~~ ~~750qd~~ ~~750qe~~ ~~750qf~~ ~~750qg~~ ~~750qh~~ ~~750qi~~ ~~750qj~~ ~~750qk~~ ~~750ql~~ ~~750qm~~ ~~750qn~~ ~~750qo~~ ~~750qp~~ ~~750qq~~ ~~750qr~~ ~~750qs~~ ~~750qt~~ ~~750qu~~ ~~750qv~~ ~~750qw~~ ~~750qx~~ ~~750qy~~ ~~750qz~~ ~~750ra~~ ~~750rb~~ ~~750rc~~ ~~750rd~~ ~~750re~~ ~~750rf~~ ~~750rg~~ ~~750rh~~ ~~750ri~~ ~~750rj~~ ~~750rk~~ ~~750rl~~ ~~750rm~~ ~~750rn~~ ~~750ro~~ ~~750rp~~ ~~750rq~~ ~~750rr~~ ~~750rs~~ ~~750rt~~ ~~750ru~~ ~~750rv~~ ~~750rw~~ ~~750rx~~ ~~750ry~~ ~~750rz~~ ~~750sa~~ ~~750sb~~ ~~750sc~~ ~~750sd~~ ~~750se~~ ~~750sf~~ ~~750sg~~ ~~750sh~~ ~~750si~~ ~~750sj~~ ~~750sk~~ ~~750sl~~ ~~750sm~~ ~~750sn~~ ~~750so~~ ~~750sp~~ ~~750sq~~ ~~750sr~~ ~~750ss~~ ~~750st~~ ~~750su~~ ~~750sv~~ ~~750sw~~ ~~750sx~~ ~~750sy~~ ~~750sz~~ ~~750ta~~ ~~750tb~~ ~~750tc~~ ~~750td~~