護免火シリーズ　耐火構造認定 適用免震材料（認定番号）一覧表　　〔2017年12月12日現在〕

エーアンドエー工事株式会社

| 会社名 | 護免火NR | | | | | | 護免火NRパネル | | | | | | 護免火HR | | | 護免火HRパネル | | | CLB護免火 | 護免火S2 | 護免火S3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 天然ゴム系積層ゴム〔多段積層タイプ〕 | | | | | | 天然ゴム系積層ゴム〔パネルタイプ〕 | | | | | | 高減衰積層ゴム〔多段積層タイプ〕 | | | 高減衰積層ゴム〔パネルタイプ〕 | | | 転がり支承 | すべり支承 | すべり支承 |
| | 耐火認定番号 FP180CN-0180-1(1)(RC)<br>FP180CN-0180-1(2)(SRC)<br>認定取得日 平成28年10月25日 | | | | | | 耐火認定番号 FP180CN-0507-1(1)(RC)<br>FP180CN-0507-1(2)(SRC)<br>認定取得日 平成27年12月9日 | | | | | | 耐火認定番号 FP180CN-0254-1(1)(RC)<br>FP180CN-0254-1(2)(SRC)<br>認定取得日 平成27年8月19日 | | | 耐火認定番号 FP180CN-0587-1 (1)(RC)<br>FP180CN-0587-1 (2)(SRC)<br>認定取得日 平成27年12月18日 | | | 耐火認定番号<br>FP180CN-0516-1(1)(RC)<br>FP180CN-0516-1(2)(SRC)<br>認定取得日<br>平成27年12月9日 | 耐火認定番号<br>FP120CN-0565(1)(RC)<br>FP120CN-0565(2)(SRC)<br>認定取得日<br>平成26年7月23日 | 耐火認定番号<br>FP180CN-0615-1(1) (RC)<br>FP180CN-0615-1(2) (SRC)<br>認定取得日<br>平成29年12月8日 |
| | 材料認定番号 | せん断弾性係数 ($N/mm^2$) | | | | | 材料認定番号 | せん断弾性係数 ($N/mm^2$) | | | | | 材料認定番号 | せん断弾性係数 ($N/mm^2$) | | 材料認定番号 | せん断弾性係数 ($N/mm^2$) | | 材料認定番号 | 材料認定番号 | 材料認定番号 |
| オイレス工業㈱ | 建設省東住指発第764号 | 0.98 | | | | | 建設省東住指発第764号 | 0.98 | | | | | | | | | | | | MVBR-0399 | MVBR-0399 |
| | MVBR-0129 | 0.39 | 0.59 | | | | MVBR-0129 | 0.39 | 0.59 | | | | | | | | | | | MVBR-0463 | MVBR-0463 |
| | MVBR-0212 | 0.39 | | | | | MVBR-0212 | 0.39 | | | | | | | | | | | | | MVBR-0497 |
| | MVBR-0237 | 0.39 | | | | | MVBR-0237 | 0.39 | | | | | | | | | | | | | MVBR-0546 |
| | MVBR-0247 | 0.39 | 0.59 | | | | MVBR-0247 | 0.39 | 0.59 | | | | | | | | | | | | MVBR-0556 |
| | MVBR-0277 | 0.39 | | | | | MVBR-0277 | 0.39 | | | | | | | | | | | | | MVBR-0563 |
| | MVBR-0305 | 0.39 | 0.59 | | | | MVBR-0305 | 0.39 | 0.59 | | | | | | | | | | | | |
| | MVBR-0306 | 0.39 | | | | | MVBR-0306 | 0.39 | | | | | | | | | | | | | |
| | MVBR-0355 | 0.39 | | | | | MVBR-0355 | 0.39 | | | | | | | | | | | | | |
| | MVBR-0453 | 0.32 | | | | | MVBR-0453 | 0.32 | | | | | | | | | | | | | |
| | | | | | | | MVBR-0465 | 0.32 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 倉敷化工㈱ | MVBR-0166 | 0.29 | 0.34 | 0.39 | 0.44 | | MVBR-0166 | 0.29 | 0.34 | 0.39 | 0.44 | | | | | | | | | | |
| | MVBR-0251 | 0.29 | 0.34 | 0.39 | 0.44 | | MVBR-0251 | 0.29 | 0.34 | 0.39 | 0.44 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| ㈱高環境エンジニアリング | MVBR-0030 | 0.55 | | | | | MVBR-0030 | 0.55 | | | | | | | | | | | | | |
| | MVBR-0058 | 0.55 | | | | | MVBR-0058 | 0.55 | | | | | | | | | | | | | |
| | MVBR-0121 | 0.39 | | | | | MVBR-0121 | 0.39 | | | | | | | | | | | | | |
| | MVBR-0171 | 0.39 | | | | | MVBR-0171 | 0.39 | | | | | | | | | | | | | |
| | MVBR-0455 | 0.39 | | | | | MVBR-0455 | 0.39 | | | | | | | | | | | | | |
| | MVBR-0483 | 0.39 | | | | | MVBR-0483 | 0.39 | | | | | | | | | | | | | |
| | MVBR-0504 | 0.39 | | | | | MVBR-0504 | 0.39 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 昭和電線ケーブルシステム㈱ | MVBR-0235 | 0.29 | 0.34 | 0.39 | 0.44 | 0.6 | 建設省神住指発第140号 | 0.29 | 0.34 | 0.39 | 0.44 | 0.6 | | | | | | | | MVBR-0390 | MVBR-0390 |
| | MVBR-0265 | 0.39 | | | | | MVBR-0235 | 0.29 | 0.34 | 0.39 | 0.44 | 0.6 | | | | | | | | MVBR-0391 | MVBR-0391 |
| | MVBR-0300 | 0.29 | 0.34 | 0.39 | 0.44 | 0.6 | MVBR-0265 | 0.39 | | | | | | | | | | | | MVBR-0392(剛) | MVBR-0392(剛) |
| | MVBR-0319 | 0.39 | | | | | MVBR-0300 | 0.29 | 0.34 | 0.39 | 0.44 | 0.6 | | | | | | | | MVBR-0433 | MVBR-0433 |
| | MVBR-0405 | 0.29 | 0.34 | 0.39 | 0.44 | 0.6 | MVBR-0319 | 0.39 | | | | | | | | | | | | MVBR-0434 | MVBR-0434 |
| | | | | | | | MVBR-0405 | 0.29 | 0.34 | 0.39 | 0.44 | 0.6 | | | | | | | | MVBR-0435 | MVBR-0435 |
| | | | | | | | | | | | | | | | | | | | | | MVBR-0567 |
| | | | | | | | | | | | | | | | | | | | | | MVBR-0568 |
| | | | | | | | | | | | | | | | | | | | | | MVBR-0569 |
| 東洋ゴム工業㈱（東洋ゴム化工品㈱） | MVBR-0211 | 0.34 | 0.39 | 0.44 | | | MVBR-0211 | 0.34 | 0.39 | 0.44 | | | MVBR-0162 | 0.35 | 0.39 | MVBR-0162 | 0.35 | 0.39 | | MVBR-0236 | MVBR-0236 |
| | MVBR-0342 | 0.34 | 0.39 | 0.44 | | | MVBR-0342 | 0.34 | 0.39 | 0.44 | | | MVBR-0398 | 0.624 | | MVBR-0398 | 0.624 | | | | |
| | MVBR-0454 | 0.29 | | | | | MVBR-0454 | 0.29 | | | | | MVBR-0404※1 | 0.35 | | MVBR-0404※1 | 0.35 | | | | |
| | | | | | | | | | | | | | MVBR-0437 | 0.35 | | MVBR-0437 | 0.35 | | | | |
| | | | | | | | | | | | | | MVBR-0439 | 0.62 | | MVBR-0439 | 0.62 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | ※1 ゴム総厚20cmタイプの呼び径が600mmと650mmを除く | | | ※1 ゴム総厚20cmタイプの呼び径が600mmと650mmを除く | | | | | |
| | | | | | | | | | | | | | ※高減衰積層ゴムについては、圧縮限界強度に0.9を乗じた数値に対する長期最大面圧の比率が4.0以上のものに限る | | | ※高減衰積層ゴムについては、圧縮限界強度に0.9を乗じた数値に対する長期最大面圧の比率が4.0以上のものに限る | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| ニッタ㈱ | MVBR-0126 | 0.392 | | | | | MVBR-0126 | 0.392 | | | | | | | | | | | | | |
| | MVBR-0185 | 0.392 | | | | | MVBR-0185 | 0.392 | | | | | | | | | | | | | |
| | MVBR-0318 | 0.392 | | | | | MVBR-0318 | 0.392 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| バンドー化学㈱ | | | | | | | MVBR-0050 | 0.4 | | | | | | | | | | | | | |
| | | | | | | | MVBR-0186 | 0.35 | 0.4 | 0.45 | | | | | | | | | | | |
| | | | | | | | MVBR-0190 | 0.39 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| ㈱ブリヂストン | MVBR-0094 | 0.39 | | | | | MVBR-0094 | 0.39 | | | | | MVBR-0285 | 0.39 | | MVBR-0285 | 0.39 | | | MVBR-0349 | MVBR-0349 |
| | MVBR-0196 | 0.29 | 0.34 | 0.4 | 0.44 | | MVBR-0196 | 0.29 | 0.34 | 0.4 | 0.44 | | MVBR-0286 | 0.62 | | MVBR-0286 | 0.62 | | | MVBR-0395 | MVBR-0395 |
| | MVBR-0240 | 0.29 | 0.34 | 0.4 | 0.44 | | MVBR-0230 | 0.54 | | | | | MVBR-0341 | 0.62 | | MVBR-0341 | 0.62 | | | MVBR-0469 | MVBR-0469 |
| | MVBR-0260 | 0.4 | 0.54 | | | | MVBR-0240 | 0.39 | | | | | MVBR-0415 | 0.62 | | MVBR-0415 | 0.62 | | | MVBR-0479 | MVBR-0479 |
| | MVBR-0295 | 0.29 | 0.34 | 0.39 | 0.44 | | MVBR-0260 | 0.4 | 0.54 | | | | MVBR-0416 | 0.62 | | MVBR-0416 | 0.62 | | | | MVBR-0548 |
| | MVBR-0380 | 0.39 | | | | | MVBR-0295 | 0.29 | 0.34 | 0.39 | 0.44 | | MVBR-0420 | 0.4 | | MVBR-0420 | 0.4 | | | | |
| | MVBR-0414 | 0.385 | | | | | MVBR-0380 | 0.39 | | | | | MVBR-0430 | 0.62 | | MVBR-0430 | 0.62 | | | | |
| | MVBR-0421 | 0.385 | | | | | MVBR-0414 | 0.385 | | | | | MVBR-0468 | 0.39 | | MVBR-0468 | 0.39 | | | | |
| | MVBR-0431 | 0.385 | | | | | MVBR-0421 | 0.385 | | | | | MVBR-0473 | 0.392 | | MVBR-0473 | 0.392 | | | | |
| | MVBR-0446 | 0.29 | 0.34 | 0.4 | 0.44 | | MVBR-0431 | 0.385 | | | | | MVBR-0510※2 | 0.392 | | MVBR-0510※2 | 0.392 | | | | |
| | MVBR-0447 | 0.39 | | | | | MVBR-0446 | 0.29 | 0.34 | 0.4 | 0.44 | | MVBR-0514 | 0.62 | | MVBR-0514 | 0.62 | | | | |
| | MVBR-0449 | 0.385 | | | | | MVBR-0447 | 0.39 | | | | | MVBR-0519※3 | 0.392 | | MVBR-0519※3 | 0.392 | | | | |
| | MVBR-0467 | 0.4 | | | | | MVBR-0449 | 0.385 | | | | | | | | MVBR-0520 | 0.62 | | | | |
| | MVBR-0508 | 0.385 | | | | | MVBR-0467 | 0.4 | | | | | | | | | | | | | |
| | MVBR-0509 | 0.4 | | | | | **MVBR-0517(注)** | 0.385 | | | | | | | | | | | | | |
| | **MVBR-0517(注)** | 0.385 | | | | | MVBR-0508 | 0.385 | | | | | ※2 二次形状係数(S2)が5かつゴム外径が1100mmのものを除く | | | ※2 二次形状係数(S2)が5かつゴム外径が1100mmのものを除く | | | | | |
| | MVBR-0518 | 0.4 | | | | | MVBR-0509 | 0.4 | | | | | ※3 ゴム外径が600～1000mmのものに限る | | | ※3 ゴム外径が600～1000mmのものに限る | | | | | |
| | MVBR-0540 | 0.4 | | | | | MVBR-0518 | 0.4 | | | | | ※高減衰積層ゴムについては、圧縮限界強度に0.9を乗じた数値に対する長期最大面圧の比率が4.0以上のものに限る | | | ※高減衰積層ゴムについては、圧縮限界強度に0.9を乗じた数値に対する長期最大面圧の比率が4.0以上のものに限る | | | | | |
| | | | | | | | MVBR-0540 | 0.4 | | | | | | | | | | | | | |
| | (注) φ600～750のJタイプおよびφ850～950のKタイプについては、今後、耐火認定の適用対象から外される見込み。 | | | | | | (注) φ600～750のJタイプおよびφ850～950のKタイプについては、今後、耐火認定の適用対象から外される見込み。 | | | | | | | | | | | | | | |
| ㈱免制震ディバイス | MVBR-0046 | 0.34 | 0.39 | 0.44 | 0.49 | | MVBR-0046 | 0.34 | 0.39 | 0.44 | 0.49 | | | | | | | | MVBR-0198 | | |
| | MVBR-0047 | 0.34 | 0.39 | 0.44 | 0.49 | 0.59 | MVBR-0047 | 0.34 | 0.39 | 0.44 | 0.49 | 0.59 | | | | | | | MVBR-0199 | | |
| | MVBR-0275 | 0.39 | | | | | MVBR-0275 | 0.39 | | | | | | | | | | | MVBR-0200 | | |
| | MVBR-0323 | 0.39 | | | | | MVBR-0323 | 0.39 | | | | | | | | | | | MVBR-0267 | | |
| | MVBR-0423 | 0.39 | | | | | MVBR-0423 | 0.39 | | | | | | | | | | | MVBR-0268 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0269 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0270 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0271 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0272 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0281 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0282 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0283 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0372 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0373 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0374 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0381 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0382 | | |
| | | | | | | | | | | | | | | | | | | | MVBR-0383 | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 横浜ゴム㈱ | MVBR-0209 | 0.34 | 0.39 | 0.44 | 0.49 | | MVBR-0209 | 0.34 | 0.39 | 0.44 | 0.49 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 住友金属鉱山シポレックス㈱ | MVBR-0320 | 0.39 | | | | | MVBR-0320 | 0.39 | | | | | | | | | | | | | |
| | MVBR-0422 | 0.39 | | | | | MVBR-0422 | 0.39 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| ㈱フジタ | MVBR-0401 | 0.39 | | | | | MVBR-0401 | 0.39 | | | | | | | | | | | | | |
| | MVBR-0451 | 0.39 | | | | | MVBR-0451 | 0.39 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| ㈱川金コアテック | MVBR-0406 | 0.29 | 0.39 | | | | MVBR-0406 | 0.29 | 0.39 | | | | | | | | | | | MVBR-0242(剛) | MVBR-0242(剛) |
| | | | | | | | | | | | | | | | | | | | | MVBR-0368(剛) | MVBR-0368(剛) |
| | | | | | | | | | | | | | | | | | | | | MVBR-0394(剛) | MVBR-0394(剛) |
| | | | | | | | | | | | | | | | | | | | | | |
| 東京ファブリック工業㈱ | | | | | | | | | | | | | | | | | | | | MVBR-0176 | MVBR-0176 |
| | | | | | | | | | | | | | | | | | | | | MVBR-0264 | MVBR-0264 |
| | | | | | | | | | | | | | | | | | | | | MVBR-0346 | MVBR-0346 |
| | | | | | | | | | | | | | | | | | | | | MVBR-0358 | MVBR-0358 |
| | | | | | | | | | | | | | | | | | | | | MVBR-0359 | MVBR-0359 |
| | | | | | | | | | | | | | | | | | | | | | |
| 日本ピラー工業㈱ | | | | | | | | | | | | | | | | | | | | MVBR-0181 | MVBR-0181 |
| | | | | | | | | | | | | | | | | | | | | MVBR-0293(剛) | MVBR-0293(剛) |
| | | | | | | | | | | | | | | | | | | | | | MVBR-0441※4(剛) |
| | | | | | | | | | | | | | | | | | | | | | MVBR-0442※4(剛) |
| | | | | | | | | | | | | | | | | | | | | | ※4 ゴム外形φ300mm未満のものは除く |
| | | | | | | | | | | | | | | | | | | | | | |
| ㈱ダイナミックデザイン | | | | | | | | | | | | | | | | | | | | MVBR-0248(剛) | MVBR-0248(剛) |
| | | | | | | | | | | | | | | | | | | | | MVBR-0375(剛) | MVBR-0375(剛) |
| | | | | | | | | | | | | | | | | | | | | | MVBR-0471(剛)※5 |
| | | | | | | | | | | | | | | | | | | | | | ※5バックプレートの最少寸法が500㎜以上に限る |
| | | | | | | | | | | | | | | | | | | | | | |