

# CALCINED NEUBURG SILICEOUS EARTH IN WHITE-COLORED BUILDING PROFILES

## FORMULATION

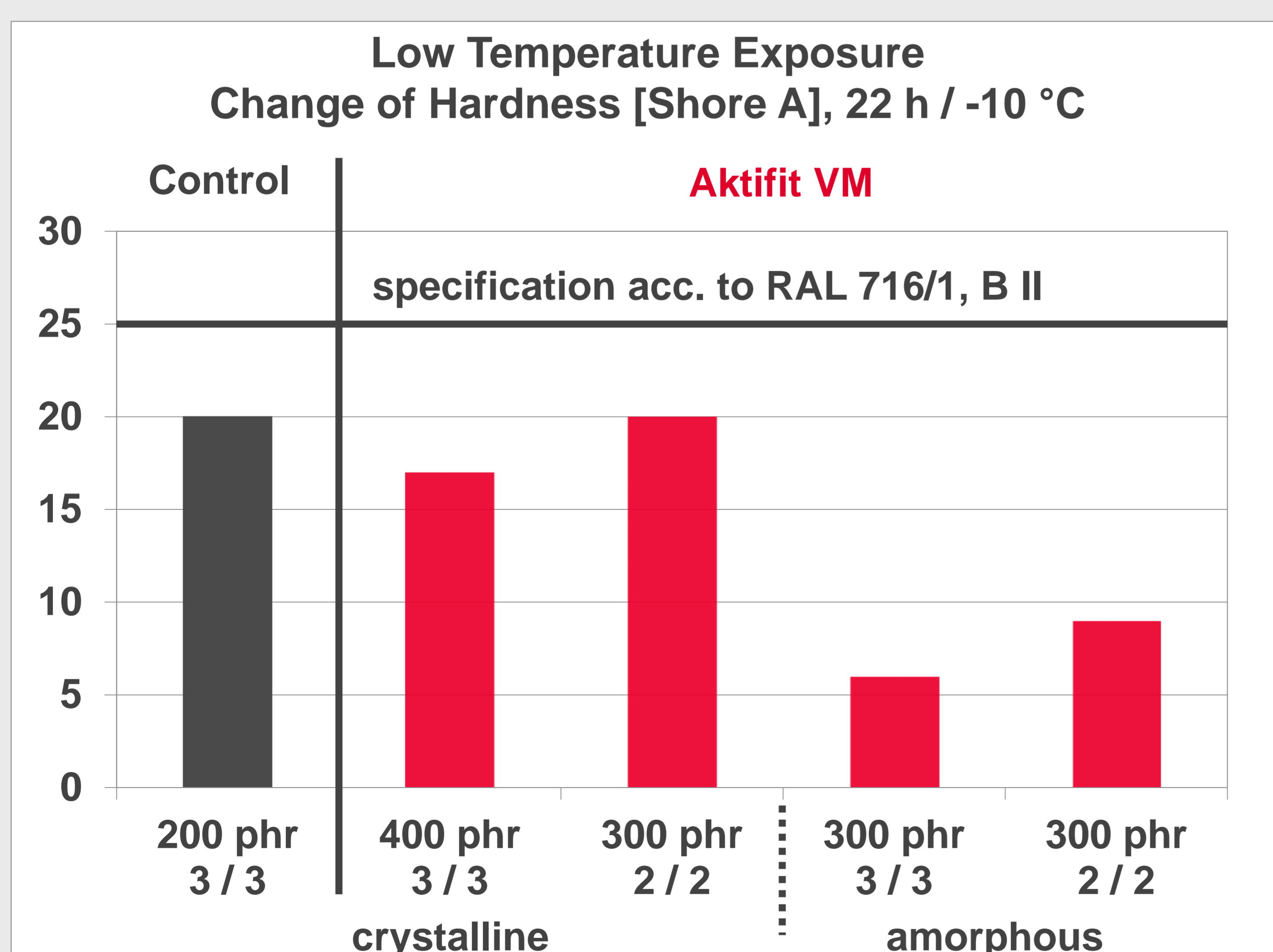
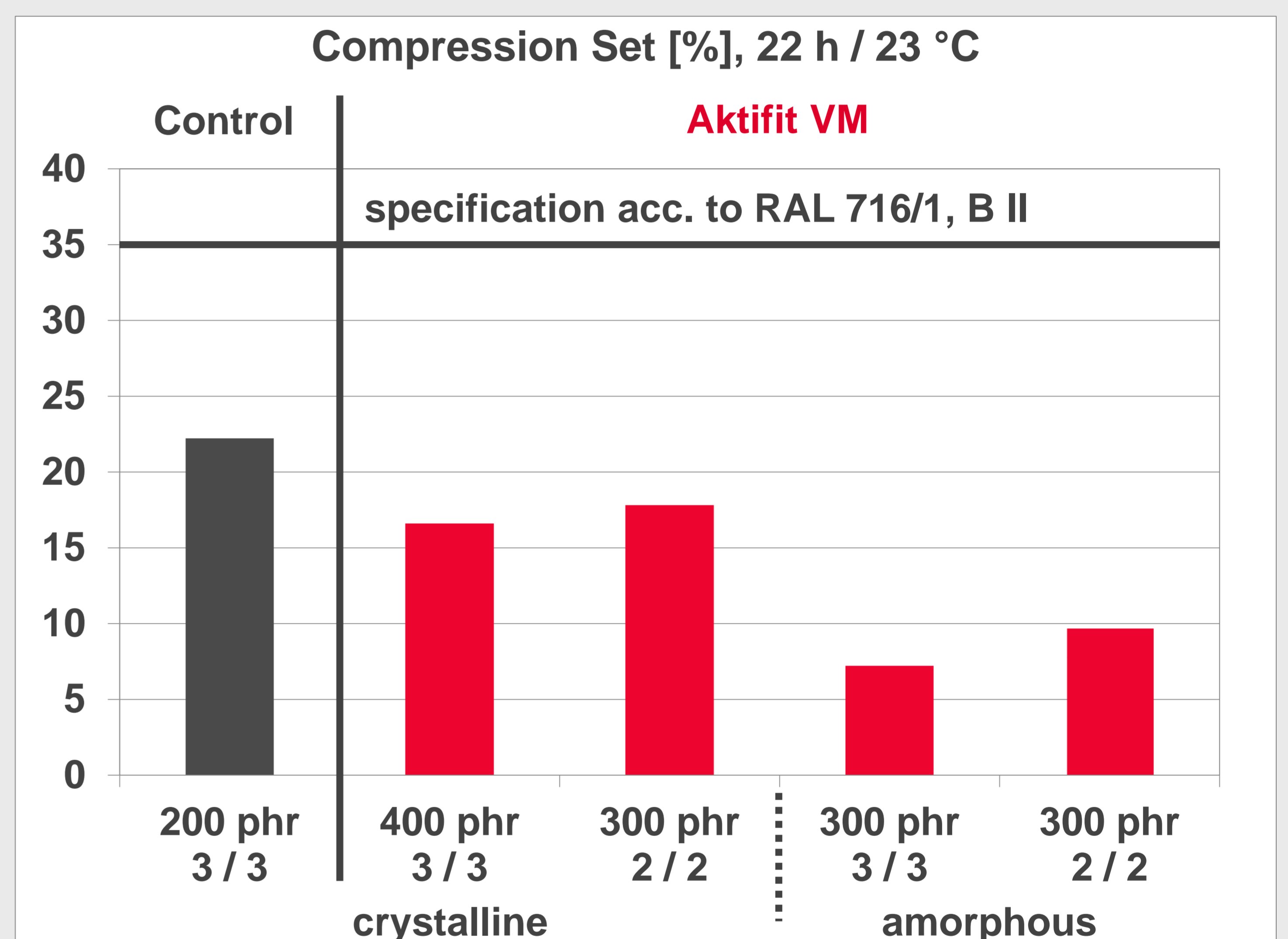
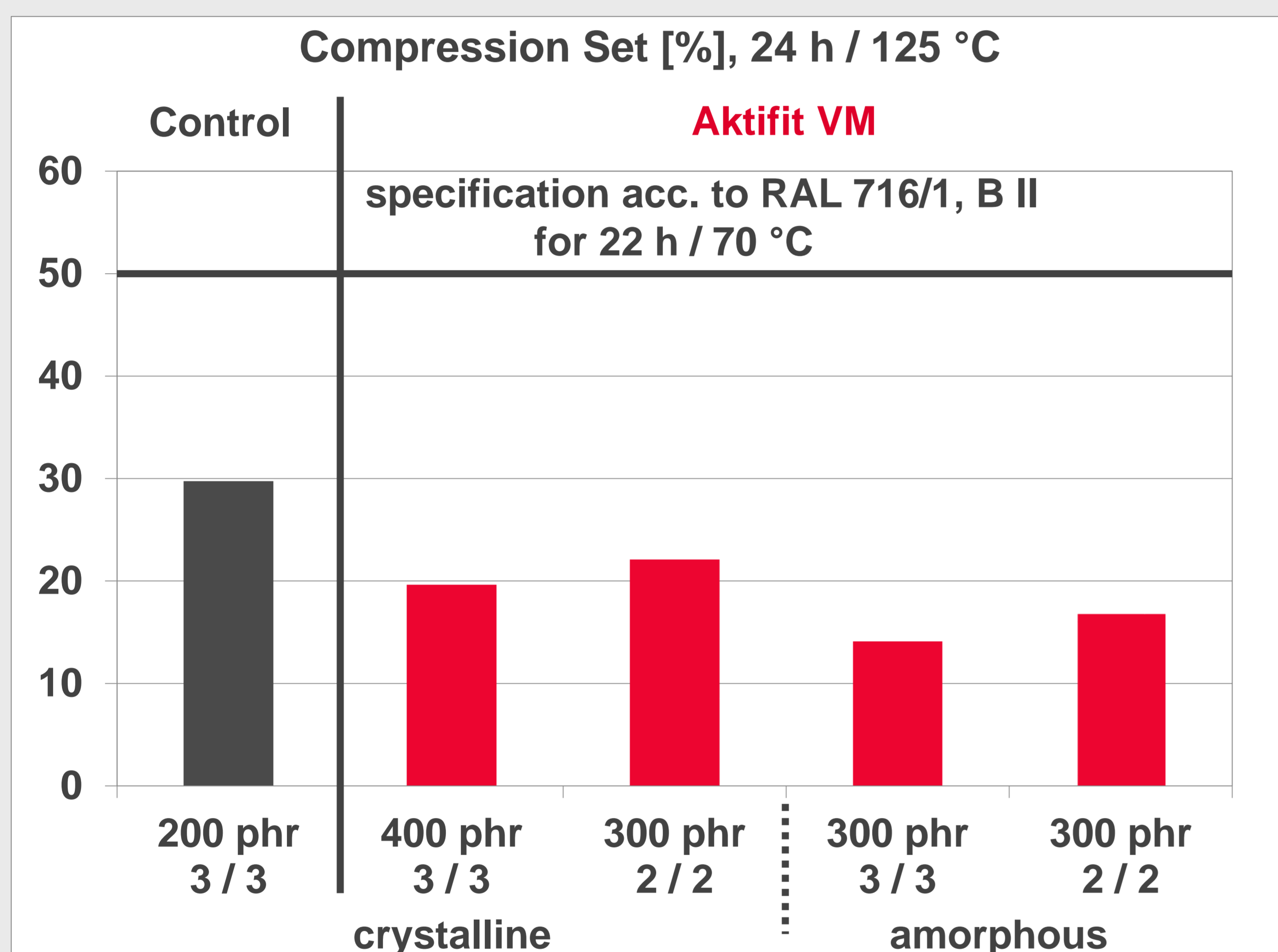
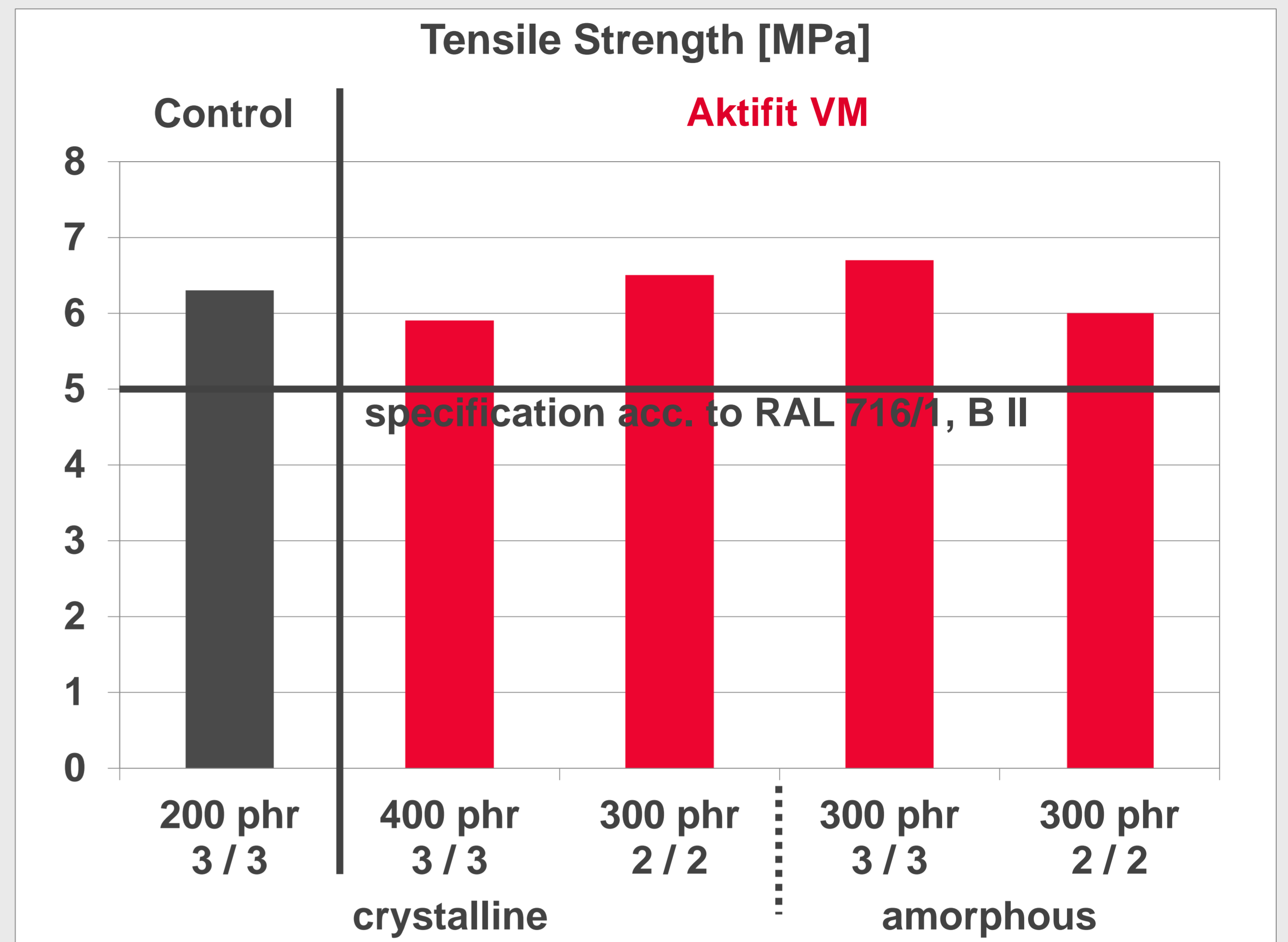
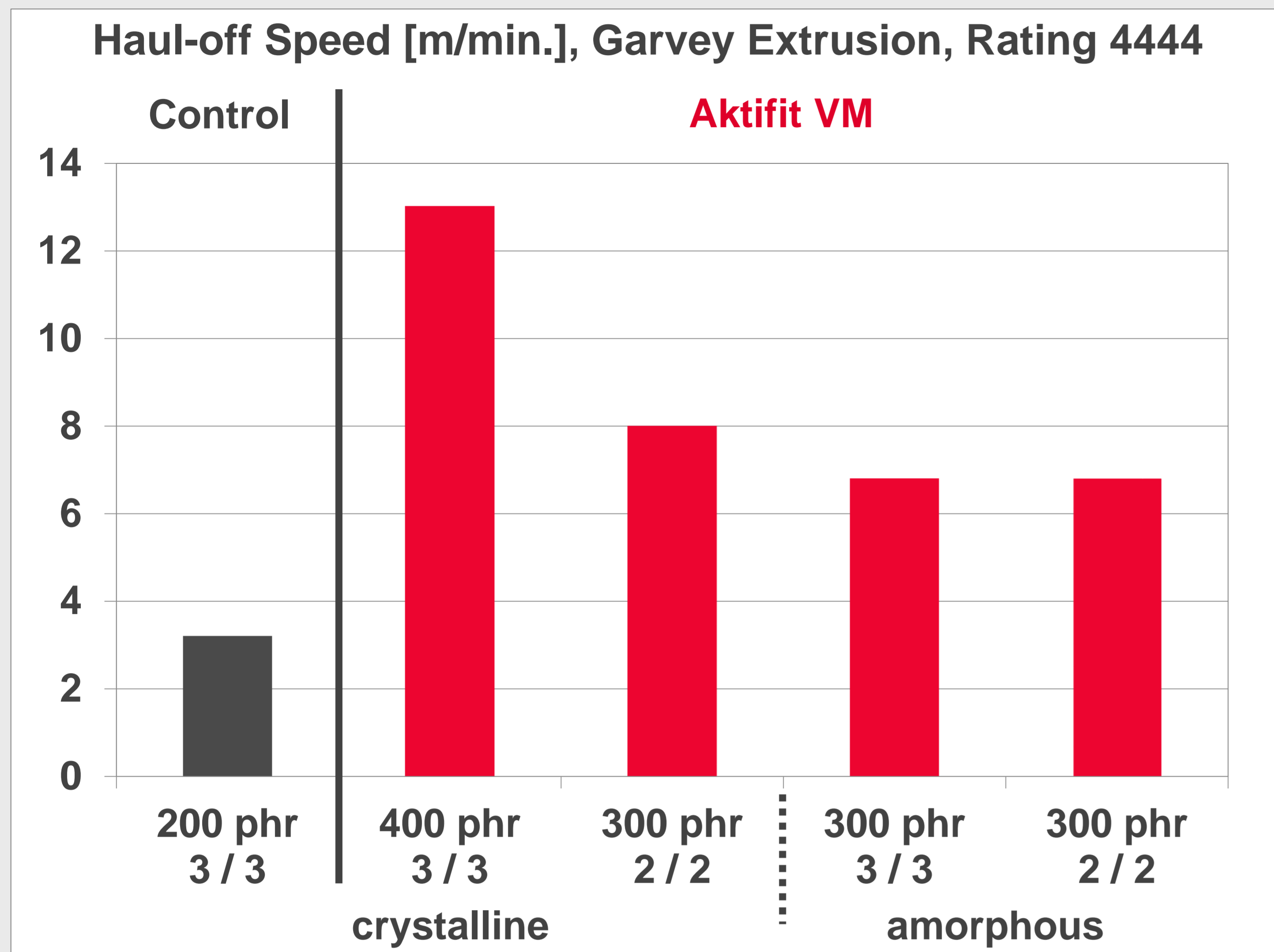
|   | in phr        |
|---|---------------|
| Keltan 778 Z (crystalline) or Keltan 8340 A (amorphous) | 100.00        |
| Zinkoxyd aktiv  | 5.00          |
| Stearic acid  | 0.50          |
| Vulkanox HS/LG  | 0.75          |
| Lipoxol 3000  | 2.00          |
| Kronos 2222   | 15.00         |
| Kezadol GR  | 10.00         |
| Aflux 42  | 2.00          |
| Trigonox 29/40 B pd                                     | 2 or 3, resp. |
| Perkadox 14/40 B pd                                     | 2 or 3, resp. |
| Rhenofit TRIM/S   | 1.00          |
| Primol 352  | 45 – 95       |
| Mineral Filler  | 200 - 400     |

## Variations of Formula

|                     | crystalline |            |            | amorphous  |            |
|---------------------|-------------|------------|------------|------------|------------|
|                     | Control     | Aktifit VM |            |            |            |
| Calcined Clay       | 200         | -          | -          | -          | -          |
| <b>Aktifit VM</b>   | -           | <b>400</b> | <b>300</b> | <b>300</b> | <b>300</b> |
| Primol 352          | 45          | <b>95</b>  | <b>70</b>  | <b>70</b>  | <b>70</b>  |
| Trigonox 29/40 B pd | 3           | <b>3</b>   | <b>2</b>   | <b>3</b>   | <b>2</b>   |
| Perkadox 14/40 B pd | 3           | <b>3</b>   | <b>2</b>   | <b>3</b>   | <b>2</b>   |

# CALCINED NEUBURG SILICEOUS EARTH IN WHITE-COLORED BUILDING PROFILES

## RESULTS



**Advantages of compounds containing Aktifit VM compared to control compound with calcined clay despite a higher filler loading:**

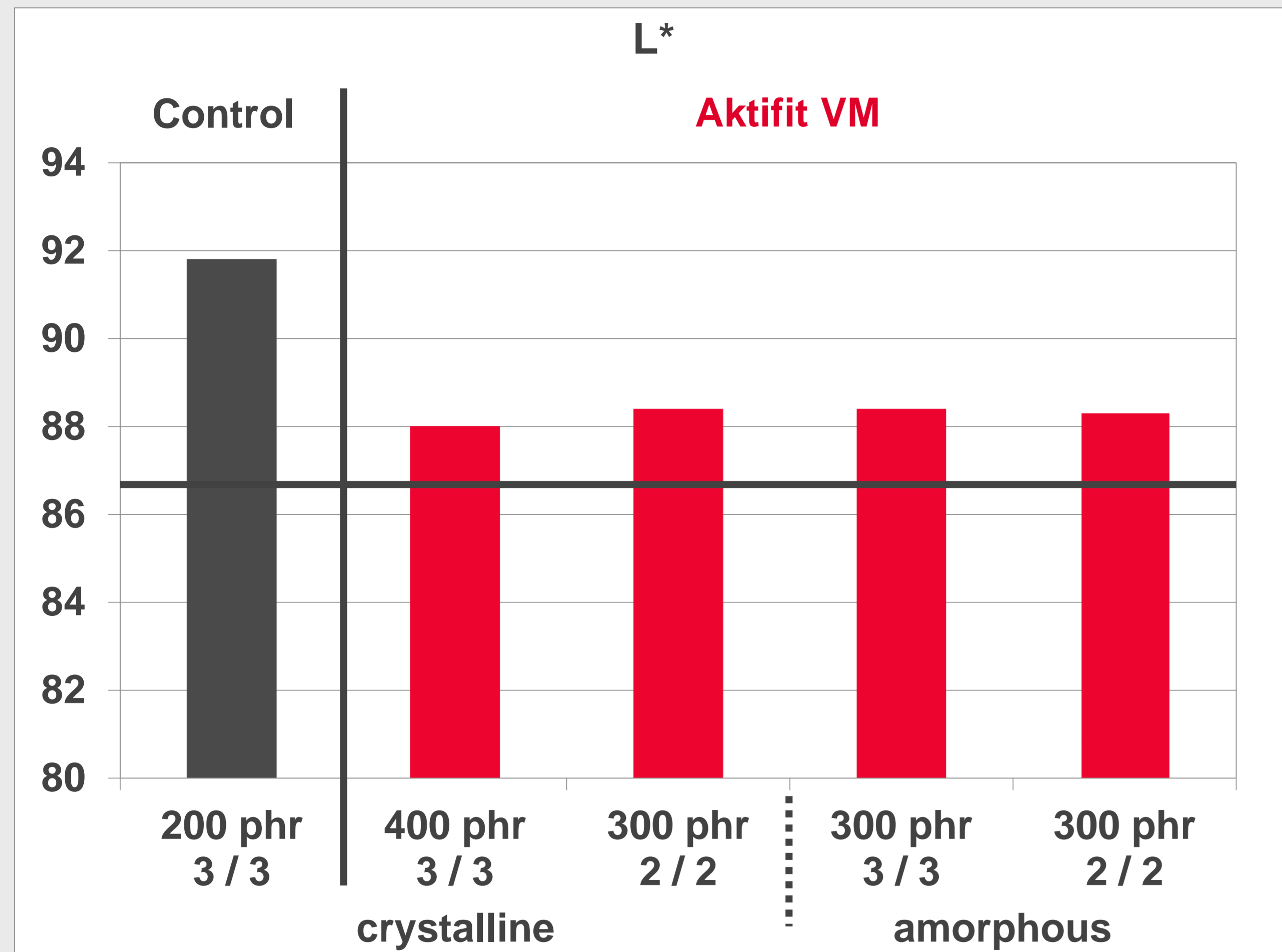
- lower compression set
- improvement of change of hardness after low temperature exposure
- markedly increased haul-off speed at equal extrudate quality
- higher color neutrality



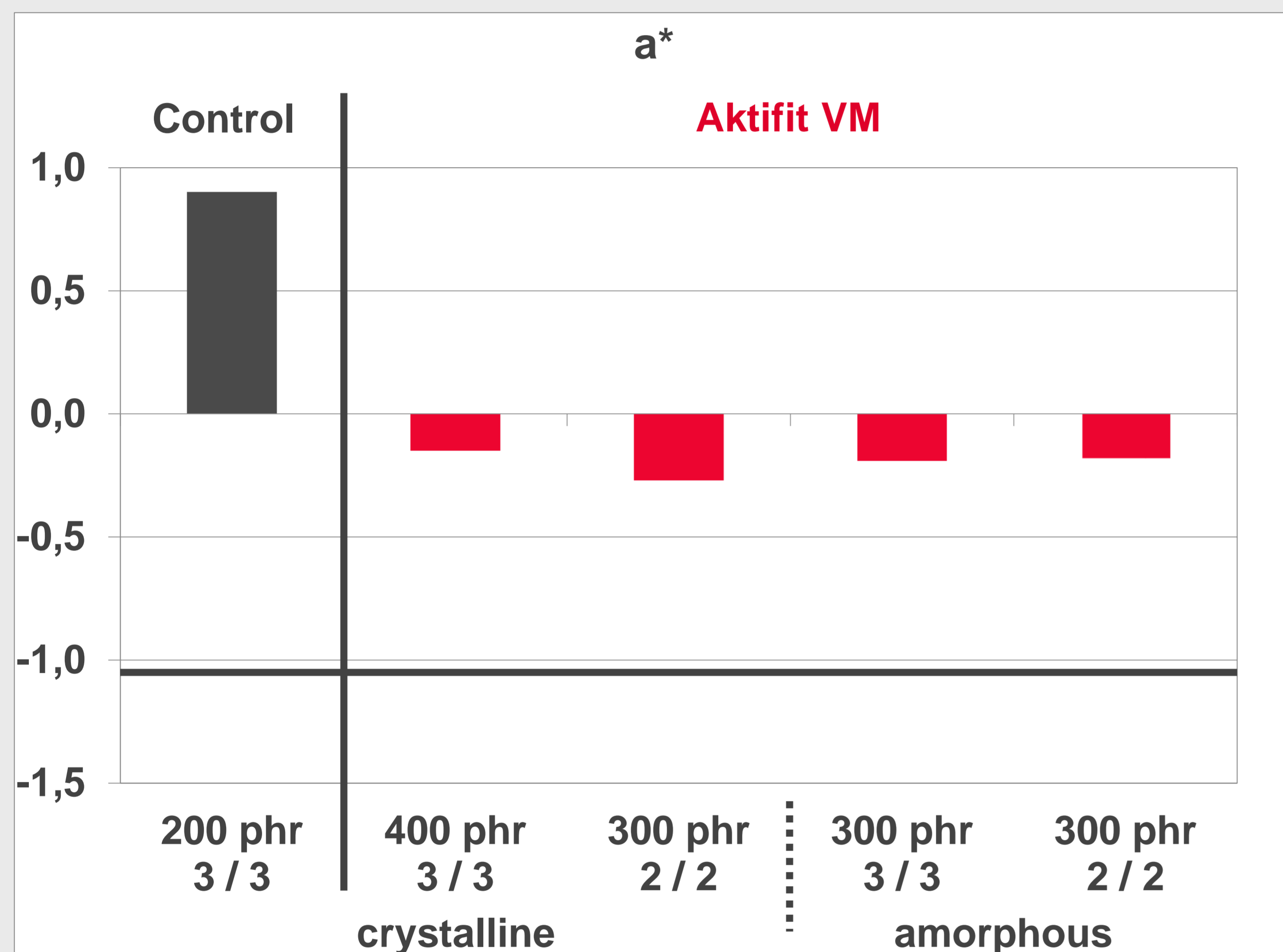
# CALCINED NEUBURG SILICEOUS EARTH IN WHITE-COLORED BUILDING PROFILES

## RESULTS

### Color Values – Compared to Specification acc. to RAL 9002

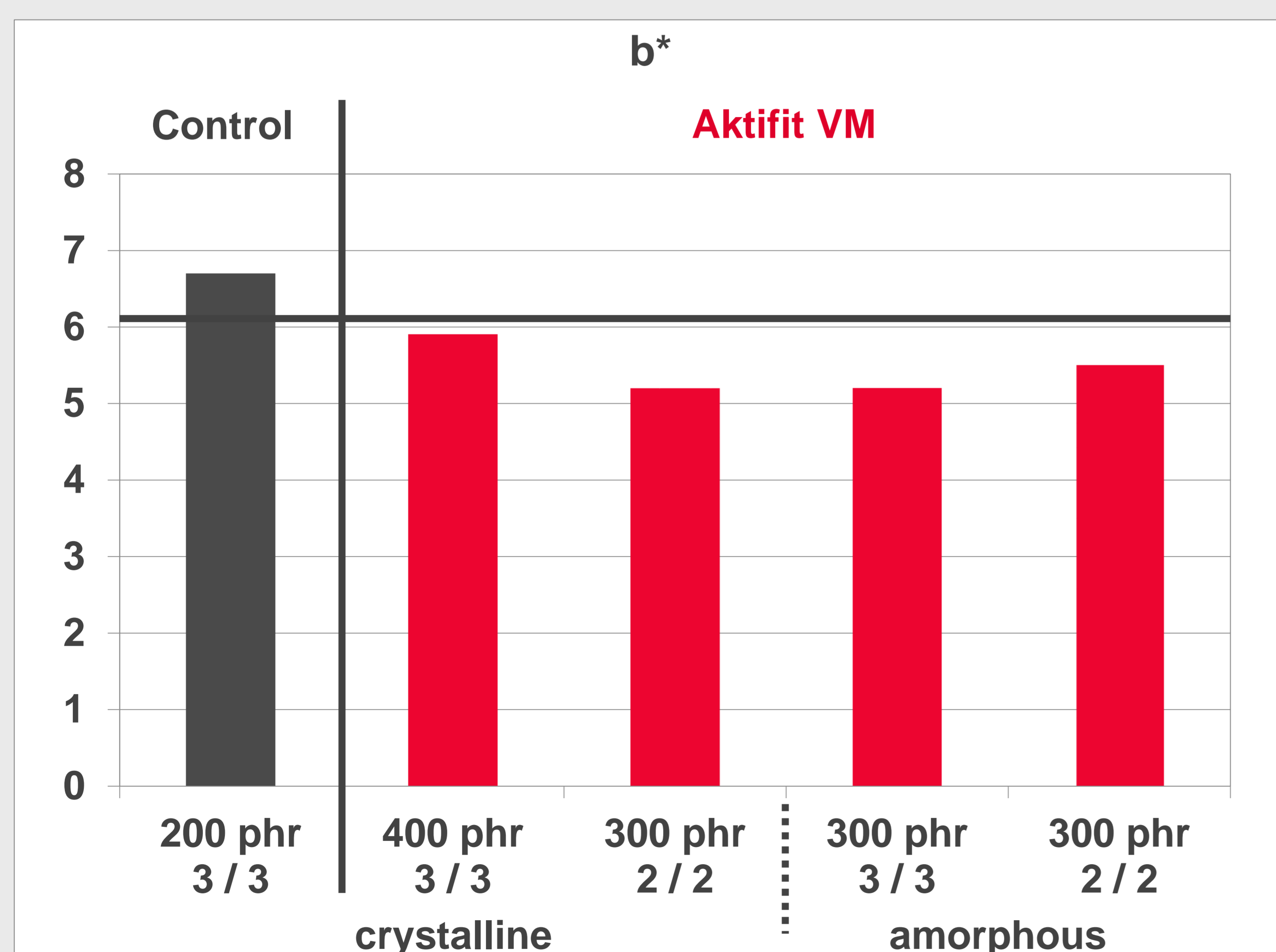


with **Aktifit VM** higher approach to brightness value of RAL 9002



with **Aktifit VM** a slightly greenish tint instead of a reddish one

Despite higher filler loading, better color neutrality achieved with **Aktifit VM**



lower yellowish tint with **Aktifit VM**