CLAIMS

1. A pyrotechnic composition suitable for use as either as primer charge composition or a delay composition composed of REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals)-compliant constituents which are toxicologically unproblematical for human beings and the environment,
   characterized
   in that the composition comprises at least one oxidizing agent,
   in that the composition comprises at least one reducing agent,
   in that the composition comprises at least one additive which is slag- or framework-forming,
   in that the composition comprises at least one mineral binder,
   and in that the mineral binder comprises amorphous polysilicic acids.

2. The pyrotechnic composition as claimed in claim 1, **characterized in that** the oxidizing agent comprises iron oxides in particular iron(III) oxide (Fe_2O_3) and/or iron(II,III) oxide (Fe_3O_4 or $FeO \cdot Fe_2O_3$).

3. The pyrotechnic composition as claimed in claim 1 or 2, **characterized in that** the additive comprises aluminosilicates and/or silicate glasses.

4. The pyrotechnic composition as claimed in any of claims 1 to 3, **characterized in that** the composition can be processed with the aid of water glass solutions to give granular material, in particular by means of lithium water glass solutions.

5. The pyrotechnic composition as claimed in any of claims 1 to 4, **characterized in that** the reducing agent comprises zirconium or zirconium hydride for enabling a delay.

6. The pyrotechnic composition as claimed in claim 5, **characterized in that** different hydrogen contents of the zirconium or zirconium hydride are provided for different delay times.

7. The pyrotechnic composition as claimed in any of claims 5 to 6, **characterized in that** ferrosilicon and/or ferrozirconium and/or boron is/are used as additional reducing agent.

8. The pyrotechnic composition as claimed in any of claims 5 to 7, **characterized in that** the additive comprises various iron alloys or tungsten.

9. The pyrotechnic composition as claimed in any of claims 5 to 8, **characterized in that** the composition comprises a tube as sheath, in that the chemical make-up of the composition and also the particle size distribution of the constituents of the composition make a burning time of from 0.2 s/cm to 4 s/cm possible and in that the composition is compacted in a tube.

10. The pyrotechnic composition as claimed in claim 9, **characterized in that** the compacted composition in the tube consists of one or more mixture(s) and has a primer charge at one end.

11. The pyrotechnic composition as claimed in claim 9 or 10, **characterized in that** the tube consists of metal or ceramic.

12. The pyrotechnic composition as claimed in claim 9 or 10, **characterized in that** the tube consists of a combustible material.

13. The pyrotechnic composition as claimed in any of claims 1 to 12, **characterized in that** the oxidizing agent comprises colored iron oxide pigments.

14. The pyrotechnic composition as claimed in any of claims 1 to 4, **characterized in that** the reducing agent comprises boron for enabling the composition as primer charge.

15. The pyrotechnic primer charge as claimed in claim 14, **characterized in that** the primer charge can be used for igniting a pyrotechnic delay composition as claimed in claims 1 to 11 or for other pyrotechnic charges.