

- . 35 – 36. **2.** // . – 1978. – 2.
 - . 32 – 34. **3.**
 // . – 1981. – 7. – . 44 – 46. **4.**

 // . – 1990. – 10. – . 33 – 37. **5.**
 . – .: , 1991. – 480 . **6.**
 . – .: , 1970. – . 114, 121. **7.**

 // . – 1980. – 7. – . 35 – 40. **8.**
 . – .: , 1962. – . 121. **9.**
 // . – 2006. – 7. – . 79 – 81. **10.**

 // . – 1982. – 1. – . 26 – 29. **11.**

 . – 1979. – 11. – . 24 – 30.

26.10.07

666.762

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The development of the new and not mastered deposits of clays for use as raw material for different kinds of ceramics, including art ceramics, promotes the saving of scarce and high-quality fireproof clays of Ukraine. The use opportunity of new Oposhnya and Sumy clays for manufacturing of chamotte for ceramic art products of a complex configuration and building ceramics has been shown.

5 7,

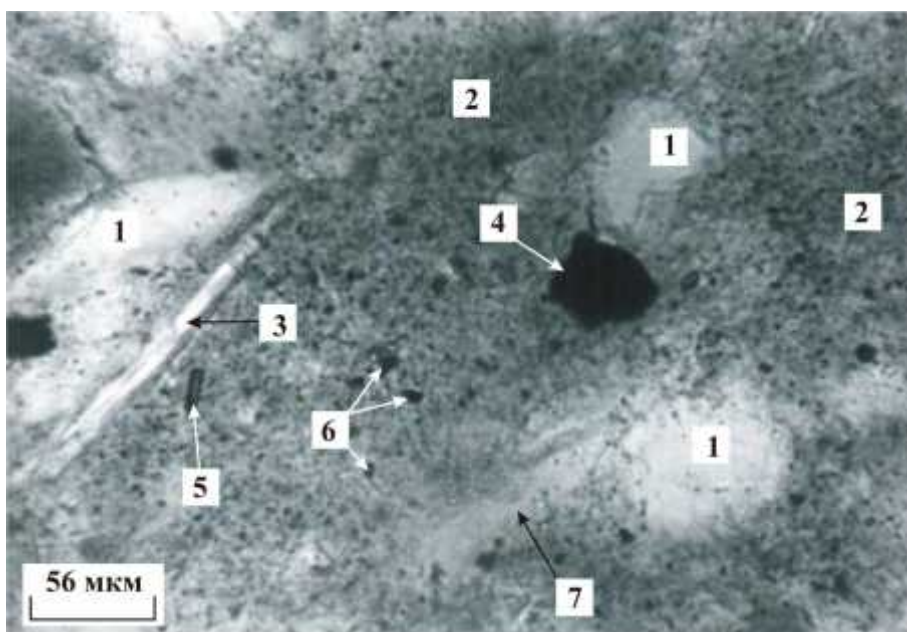
18 19,4 % Al_2O_3 ,
 Al_2O_3 (. 1).

1

, .%

			, .%									
			. .	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO	MgO	SO ₃	K ₂ O	Na ₂ O
1	-	-	9,21	62,40	22,20	2,33	0,91	0,27	1,22	0,27	0,87	0,05
2	5	6,1-11,8	11,24	58,80	18,0	6,09	0,89	3,75	0,72	0,01	0,40	0,18
3	7	14,0-17,0	8,72	64,73	19,40	2,97	1,06	1,40	0,82	0,04	0,70	0,24

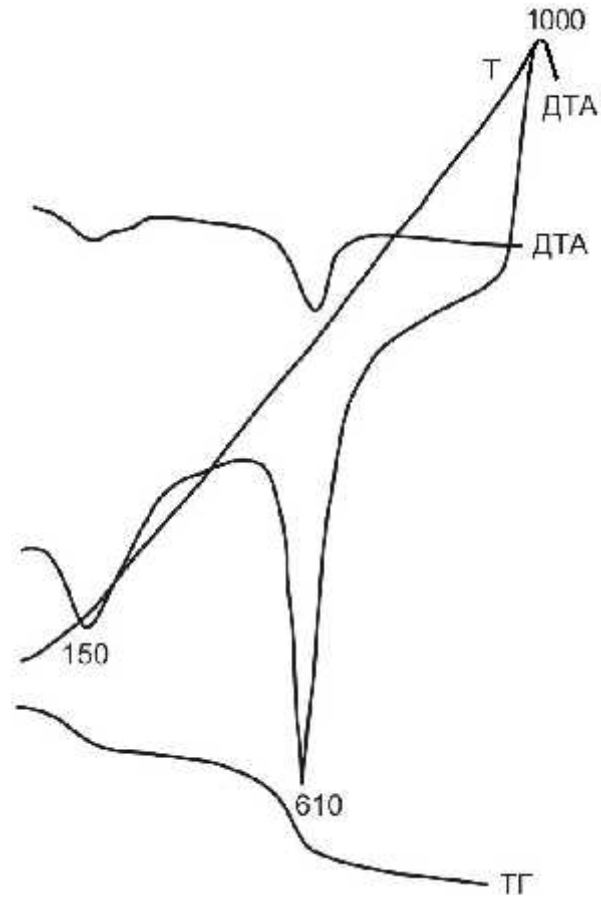
.1.



.1. : 1- ; 2- ; 3- ;
 4- ; 5- ; 6- () ; 7-

7 ÷ 10; - 15 ÷ 25; - 3 ÷ 4; , %, - 50 ÷ 55; -
 , - 1 ÷ 2; - 1,0; - 1 ÷ 2;

(. 2).

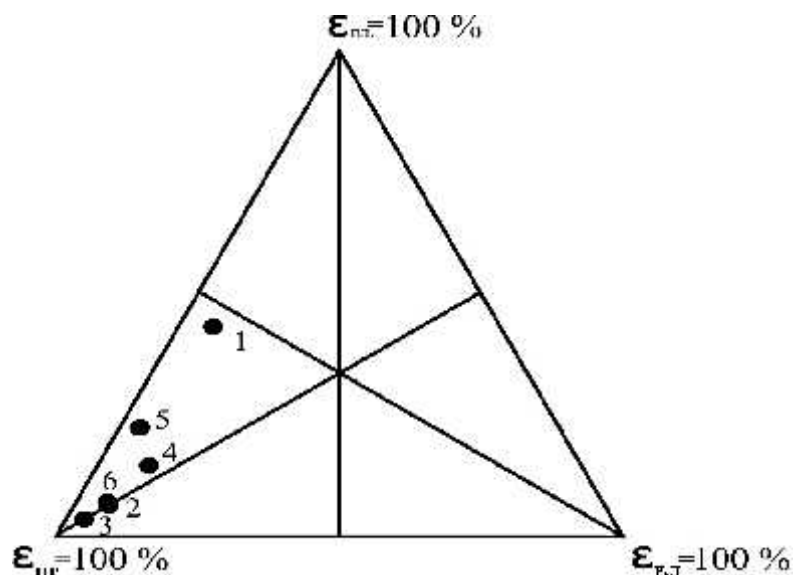


. 2.

5 8

(. 3),

(. 3).



1 – 5 (100 %); 2 – 5 (20 %) : (80 %);
 3 – 8 (100 %); 4 – 8 (20 %) : (80 %);
 5 – 8 (50 %) : (50 %); 6 – (100 %).

5 8

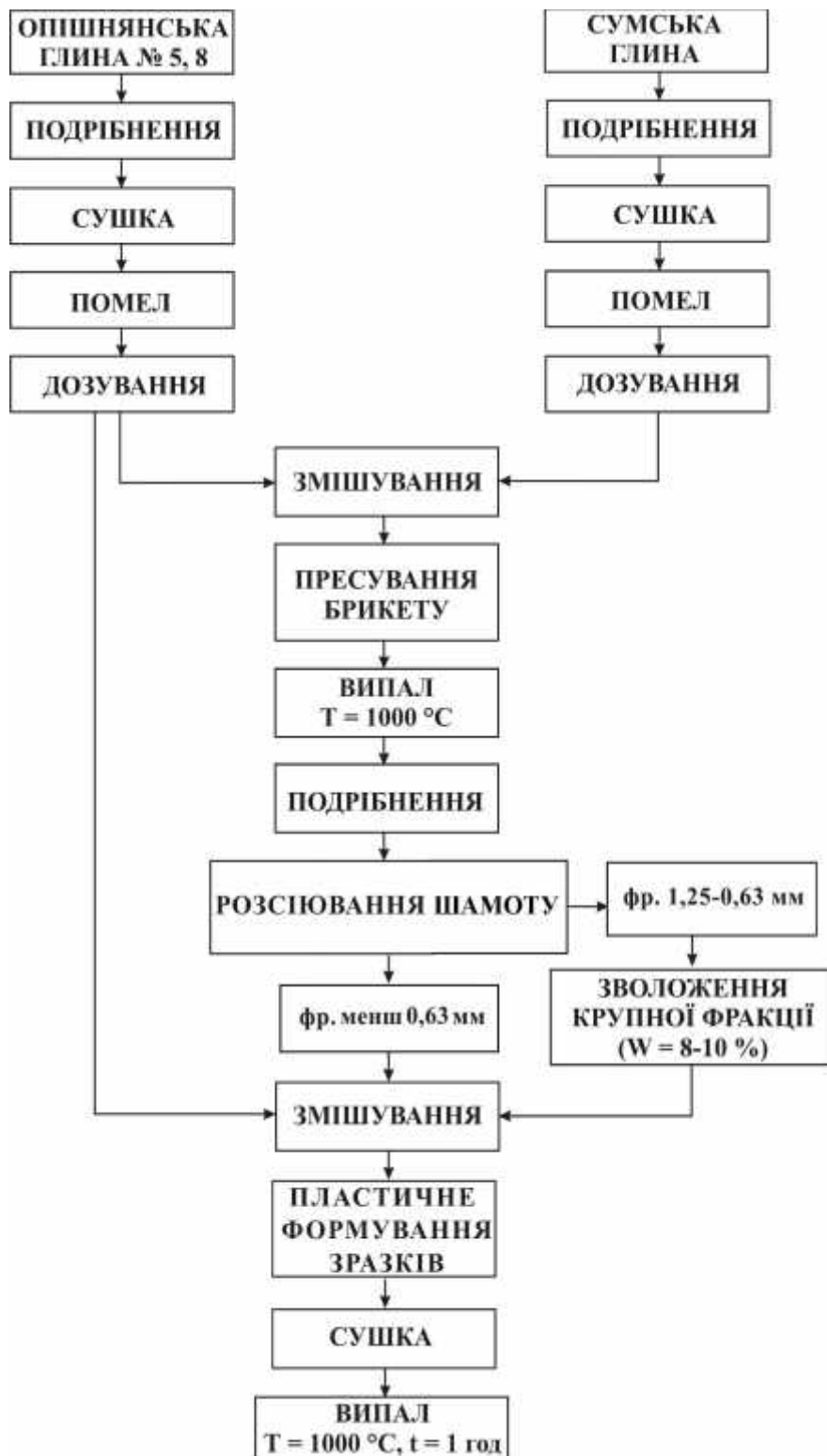
. 2.

2

				, %	W, %	, / ³
	5	8				
1	20	—	80	17,4	8,43	1,94
2	25	—	75	16,7	7,98	2,07
3	40	—	60	18,0	8,76	2,0
4	50	—	50	18,2	8,88	2,06
5	100	—	—	21,9	9,8	1,97
6	—	—	100	20,0	9,47	1,97
7	—	20	80	41,0	27,7	1,44
8	—	25	75	35,6	22,1	1,58
9	—	40	60	18,7	11,3	1,57
10	—	90	50	33,3	21,7	1,52
11	—	100	—	21,8	10,7	2,03

25

.4.



.4.

, . %:
 . 1,25 – 0,63 – 24;
 < 0,63 – 36;
 – 40.

-125 25 .
 8 – 10 %.

. -
 , -
 . 3
 .4.

3

	W, %	, %	, / ³	,
1	18,43	31,3	1,72	107
2	18,43	31,62	1,72	102
3	16,96	29,3	1,73	107
4	16,96	32,9	1,65	107
5	19,59	32,2	1,64	107
6	17,77	31,42	1,77	79,1
7	20,41	35,76	1,72	113
8	19,91	33,98	1,71	73,4
9	20,31	34,02	1,67	84,4
10	19,27	33,02	1,71	56,5
11	15,87	28,81	1,82	73,4

, -
 , -
 . -
 .

5 .

	W, %	, %	, / ³	.
1	20,2	33,78	1,70	101,4
2	19,0	32,4	1,71	101,7
3	18,0	31,0	1,77	101,7
4	17,0	29,3	1,76	101,7
5	20,75	—	1,71	79,1
6	18,7	32,8	1,93	113
7	18,3	31,35	1,78	73,45
8	18,3	31,35	1,78	84,45
9	17,9	31,37	1,75	56,5

26.10.07

614.841

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In article the processes occurring in heavy concrete at heating have been considered. The softening mechanism has been stated.

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